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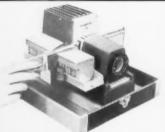
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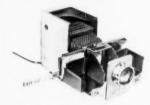
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Preliminary Examination: Commences November 19. Entries close November 5.

Final Examination: Commences September 1. Entries close August 11.

Intermediate Examination: November 3. Entries close October 13.

By Order of the Board,

360 Swanston Street, F. C. KENT, Melbourne. Registrar.

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Watch this column for advice concerning the next Qualifying Examination

P. E. COSGRAVE,

Registrar, Pharmacy Board of N.S.W., 52 Bridge Street, Sydney.

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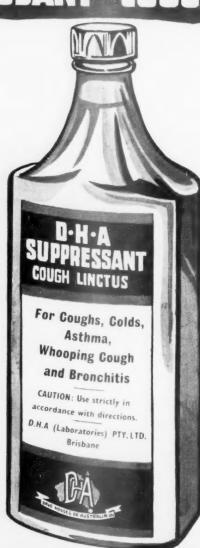
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The Australian and New Zealand Association for the Advancement of Science

Guest Editorial by Mr. A. W. Callister, F.P.S. (Vic.), President-Elect, Section "O" Meeting, Adelaide, 1958.

THE 33rd Congress of the Australian and New Zealand Association for the Advancement of Science meets in Adelaide in August next. To the meeting will come workers in all branches of science throughout Australia and New Zealand. Teachers, research workers, practitioners, students and others interested in developmental projects will gather to hear reports of special investigations and to discuss matters of mutual interest.

Past proceedings of this Congress have had important effects on the national development. Such projects as the "flotation process," which was a major contribution to the production of minerals in this country; investigation of the effects of trace elements in agriculture, which has resulted in thousands of acres of former desert being brought into cultivation; developments in Chemistry, Physics and Medicine, have followed the account given by experimental workers at such conferences. In our own section the work of Albert and Rubbo on the flavines and the paper on which the B.P. Monograph for Aminacrine Hydrochloride is based were first published at an A.N.Z.A.A.S. meeting.

Many notable personalities have presided or have delivered special orations at A.N.Z.A.A.S. Names which come readily to mind are those of Sir John Monash, Sir Douglas Mawson and Sir David Rivett as presidents of world renown, and the oration of H. G. Wells, which was a highlight of the Canberra meeting. The presidential address of Professor M. L. Oliphant entitled "Science and the Survival of Civilisation" at the forthcoming conference should be no less memorable as an important contribution to the present state of world affairs.

Article 1 of the Constitution of the Association is as follows:—"The objects of the Association shall be the advancement of knowledge and to promote a spirit of co-operation between scientific workers and scholars and those in sympathy with science and scholarship generally, especially in Australia and New Zealand."

Sharing of knowledge in a spirit of co-operation between workers is the keynote of progress and the importance of this principle was not always recognised in former times. This sharing of information is not restricted to workers in the same field. Progress in one branch of science often makes possible advances in related studies, and A.N.Z.A.A.S. enables all interested workers to hear any report at first hand.

The various sections which comprise the Association arrange their own programmes and conduct their own meetings. Any member of the Association may attend any meeting in any section. It is customary for an address of special importance or of general interest to to attract an audience of members from a number of sections other than the group to which it is presented. The presidential address in Section B (Chemistry) and the Liversidge lecture, also in Section B, are usually widely attended by members from other sections, including members of Section "O" (Pharmaceutical Science).

Presentation of a paper at a Science Congress is the method of choice for recording the results of original research and the outcome of experimental work. The audience will include workers in the same field or with experience in related subjects. After the paper is read a general discussion follows, when the author may be closely questioned on details of procedure, and on the value of the conclusions derived from the work described. The author may have to justify his conclusions to those who would make different inferences or who hold opposite views. The whole procedure is designed to eliminate error in method or reasoning and to expose the truth.

The Association makes available a number of research grants from its limited funds and the reports of these workers are an important part of the meeting. Memorial lectures which perpetuate famous men who played a prominen: part in the development of the Association are entrusted to outstanding authorities in their field. The first Giblin Memorial Lecture entitled "L. F. Giblin and the Frontier of Research on the Australian Econcmy," by Sir Douglas B. Copland, and the Liversidge Lecture entitled "Activated Metal Catalysts in Organic Syntheses," by Professor G. M. Badger, are two features of the Adelaide programme.

Pharmaceutical Science was granted recognition as Section "O" of the Association in 1926, when the application for inclusion received sympathetic consideration from the General President, Sir John Monash. Pharmaceutical chemists have made valuable contributions to science in general and to chemistry in particular. Whittet ("A.J.P.," May, 1958) records a long list of such contributions, which includes the isolation of chlorine by Scheele in 1774, the separation of quinine, strychnine, colchicine and other alkaloids by Pelletier and Caventou in 1820, and participation in the field of antibiotic

research in recent times. Such a record entitles Pharmacy to a place in the Association and the example of such famous workers should inspire all who now follow in their footsteps.

The scope of the conference is not limited to largescale research projects. In our section many practical contributions have been made by students in the pharmacy departments of our teaching institutions. Other useful reports on technical problems of every-day importance are submitted by members in practice. Studies of incompatibility, stability of solutions, comparative effects of antiseptics, emulsifying and suspending agents and new anti-microbial agents are topics which concern every member of our profession. New trends in education, and reports of the observations and conclusions of holders of recent overseas scholarships should provide interesting discussion. All who participate in the meetings will find plenty of interest and the pleasure of contact with members of similar interests from other States.

THE MONTH

News of Pharmaceutical Events at Home and Abroad

Victorian College of Pharmacy

Work on the new Victorian College of Pharmacy in Parkville is proceeding apace. Giant excavators have been in operation at the site, and there is visible evidence of construction work in progress.

Many tons of concrete have been poured into the foundations, and the vision of a new structure which has been in the minds of the Victorian Society for the past five years at least has taken on tangible form.

An appeal for £200,000 is being launched by the Council of the Victorian Society. This amount of money is required to meet the cost of the new building over and above the £300,000 which will be advanced by the Victorian Government.

The project will be fully explained and the Financial Campaign opened after the inaugural dinner at the St. Kilda Town Hall on August 11.

Very great interest is being taken in the appeal by the sponsors and by the members. This has greatly encouraged the Council, and it has been heartened also by the acceptance by Mr. Geoffrey Grimwade of the invitation to act as Chairman of the Appeal Committee and by Mr. G. R. Nicholas, a graduate of the College, to be the General Chairman. The interest and support of these two gentlemen so prominent in the drug trade augurs well for the success of the appeal.

If all goes well, the new College will be completed and ready for occupation for the commencement of the 1960 session.

Full-Time University Course to Commence in Sydney in 1960

The Pharmaceutical Society of N.S.W., in its monthly Digest for July, announced that the University has decided that the three-year full-time course provided for in the Pharmacy Amendment Act of 1952 will commence in 1960.

The year 1959 will therefore see the last batch of apprentices to be articled and educated under the present set-up.

After the introduction of the new system, students after matriculation will proceed straight to the University for three years' full-time study, and upon completion of this will be granted a degree. Before being registered, however, they will be required under the provisions of the Act to serve 12 months full-time in a pharmacy.

During the recent University vacation the Pharmacy Department moved into its new premises in the old chemistry building, and is now a separate entity within the Univer-

Generous support has been given to pharmaceutical education by the Pharmaceutical Society of N.S.W. In the recent Bulletin it advised that a further cheque for £1000 has been sent to the University from money collected from the "call" on members. This makes a total of £4000 subscribed by the members for this particular purpose this year.



Excavators at work on the site of the new College of Pharmacy.

Joint Editor of "Nature" Visits Australia

The Nuffield Foundation and C.S.I.R.O. have made it possible for Mr. L. J. Brimble, joint editor of the weekly scientific journal "Nature," to visit Australia. He proposes to spend some five or six weeks in the chief centres and investigate our position with regard to science in the schools, the universities, the research institutes and industry. Mr. Brimble has long been associated more particularly with the biological sciences in British universities and secondary schools. Apart from his work as editor of "Nature," he is very well known in educational circles for the series of books he has written on biological science (more particularly in its botanical aspects) for use in secondary education and with adult classes in extra-mural educational activities.

He has already spent some time in Sydney. Canberra, Melbourne, and on a visit to the Snowy Mountains Hydro-Electric Scheme.

While he has made some favourable comment on certain aspects of research work here, he has criticised very frankly the science teaching of our schools. He thinks science subjects are not getting the attention that the future demands. The schools must devote more time to science, in better-equipped laboratories; they must carry it more towards the standards of "Sixth Form Science" in Great Britain, and they must attract and retain more and better science teachers.

Vital Statistics

The population of Australia reached 9,530,334 in 1956, according to the Demography Bulletin recently issued by the Commonwealth Bureau of Census and Statistics. The number of males exceeded that of females by approximately 128,000.

Some interesting figures regarding death by poisoning are given, although these are not presented with sufficient detail to indicate the various classes of poisonous agents responsible. Accidental poisoning by drugs in the Commonwealth during the year totalled 45—males 20, females 25.

There were no accidental poisonings by noxious foods, and the accidental poisonings by other solid and liquid substances totalled 69—males 50, females 19.

Analgesic and soporific substances were responsible for death by suicide of 68 males and 65 females, and other solid and liquid substances were used by 58 males and 30 females.

Drug Firms Merge

The proposed merger of Allen & Hanburys Ltd. and Glaxo Laboratories Ltd. has created marked interest in pharmaceutical circles and the drug industry. Both companies have an interesting background and are widely known in the industry throughout the world.

The "Retail Chemist," which recently dealt editorially with the merger, has pointed out very clearly that this transaction is not a "take over" in the normally

accepted commercial sense, nor is it a case of the big firm swallowing up the smaller. It states that the financially stronger is not taking over the competitor to strengthen a monopoly, but that the new merger is more in the nature of a marriage, because both companies and their products are predominantly complementary, rather than competitive.

The writer further points out that although Allen and Hanburys will in future be financed by Glaxo shareholders, it is the declared intention of the directors that the name, individuality and traditions of "A. & H." should continue unimpaired.

A New Convention on Narcotic Drugs?

A single convention to replace all existing international treaties for the international control of drugs has been drafted by the United Nations Commission after meetings and discussions lasting ten years, reports John Talbot from Geneva, according to a statement published in the "West Australian" on July 4.

This proposal is to be sent to the United Nations for circulation to all member-States.

A proposal that the production of opium, poppy straw, coca leaves, cannabis and cannabis resin should come under full international control has been made, and it will be suggested that the remaining non-medical use of narcotic drugs will be prohibited after the transition period.

The new treaty is said to aim at prohibiting particularly dangerous narcotic drugs which lack specific and substantial therapeutic advantages except for small amounts for medical and scientific research.

Another article will require the use of international non-proprietary names for narcotic drugs in all kinds of advertisements, labels and other descriptive literature. A proposal that warrants the most serious consideration is that countries which have a serious problem of drug addiction and sufficient economic resources shall provide for the compulsory treatment of drug addicts in closed institutions.

First Director of National Standards Laboratory Appointed

Mr. N. A. Esserman, B.Sc., F.Inst.P., A.M.I.E.(Aust.), has been appointed as the first Director of the C.S.I.R.O. National Standards Laboratory, Sydney, the Minister in Charge of C.S.I.R.O. (Mr. R. G. Casey) announced on July 24.

Mr. Esserman will continue as Chief of the C.S.I.R.O. Division of Metrology. This Division together with the Divisions of Physics and Electrotechnology make up the National Standards Laboratory.

The decision to appoint a Director to be responsible for the over-all policy of the Laboratory followed a recommendation of the Committee of the C.S.I.R.O. Advisory Council which reported last year on the future development of the Laboratory.

The National Standards Laboratory holds the Australian national standards of measurement on which our secondary industries are based.

Perpetuation of the Memory of the Late J. L. Townley

The Pharmaceutical Society of N.S.W. has decided to perpetuate the memory of the late Councillor J. L. Townley by the founding of a Memorial Scholarship.

The terms of the award are as follows:-

1. The Scholarship is to be known as the John L. Townley Memorial Scholarship.

2. One Scholarship of £100 to be awarded each year provided there is a suitable applicant.

3. To be awarded to a student who having completed a first degree in pharmaceutical science wishes to proceed with research or further study in the School of Pharmacy.

Pharmacy Students Donate Blood

Pharmacy students in Victoria and Tasmania secured prominent places in the headlines of the daily papers during the month, when a considerable number donated blood in an effort organised by the National Association of Pharmaceutical Students of Australia, in association with the Red Cross. Daily papers in both States featured illustrations and gave generous space to the

N.A.P.S.A. and all students associated with this public-spirited gesture are to be congratulated and highly commended.

At the College of Pharmacy, Melbourne, on July 10 a full staff of medical officers and Red Cross officers organised the blood-giving from 120 students. At Hobart 30 pharmaceutical students gave blood donations at the Red Cross Blood Bank.

Name and Address in Prescription Book

A recent report reveals that in Paris inspectors of pharmacies are directing the attention of chemists to the fact that when prescriptions for ethical preparations are dispensed, the name and address must be written in the Prescription Book and must be signed and dated. This is a new provision, not previously enforced.

After Hour Pharmacies Established in Two States

One of the most frequently voiced criticisms of the pharmaceutical profession is that provision is not made for meeting the urgent requirements of the public for pharmaceutical service after hours.

In several States all-night pharmacies have been operating for some time and have functioned satis-

In recent months, however, widespread undesirable publicity has been given in the press in South Australia to the lack of pharmaceutical service after ordinary business hours.

This was followed by an announcement during the month that a night pharmacy to be conducted by a panel of chemists has been opened at 127 Hindley street. Adelaide. This pharmacy is to be open seven

nights a week, including public holidays. It will be conducted on a roster system by the ten chemists who participate and will provide a prescription dispensing service.

A spokesman for the panel intimated that the pharmacy would be open from 9 a.m. to midnight. Two qualified pharmaceutical chemists would be in attend-

ance each night from 6 p.m. to midnight.

Almost simultaneously Victoria's first after-hours pharmacy has been set up. A group of twenty chemists in Geelong have formed a partnership to establish an after-hours pharmacy in that city. This will provide a dispensing service and a manager will be employed by the group to conduct it.

South African Conference

The South African Annual Pharmaceutical Conference was held in Durban from April 21 to 24, 1958, and a report of it is published in a Supplement to the "South African Pharmaceutical Journal."

As with pharmaceutical conferences in other lands, a variety of subjects was discussed and problems of the profession aired. Apart from the administrative sessions, four main phases of pharmaceutical organisation were featured, namely, education and training, professional matters, constitution and business problems.

Pharmaceutical education took a prominent place in the discussions. The President of the Society, Mr. Aaron Kramer, in his address pointed out that to meet the needs of the increasing population about 250 registered chemists should be trained each year. At present only half that number qualified. There are therefore more openings for young people in pharmacy than they seemed prepared to take up. Many of the reasons for this lack of recruits were due to their own internal conditions, to standards of education, to apprenticeship requirements and to the unfortunate failure to place pharmacy within the range of vision of boys and girls about to embark on a career.

Concern was expressed about the standard of Matriculation, and it was asserted that basic education to Matriculation standard had fallen too far behind the level of the next stage. Matriculants appeared to have too poor a grounding in science subjects and in mathematics to equip them for professional courses such as medicine, pharmacy, engineering, etc.

Bad examination results, shortages of teachers and other problems were among other matters discussed.

During the conference period the General Council adjourned so that delegates could be present at the opening of the new School of Pharmacy which will be housed in the Natal Technical College.

The pharmacy course is the only full-time course in the College and it now extends to three academic years. For the post-intermediate part of the course there is accommodation for 60 students in each year, while in the intermediate year provision is made for 60 students. To meet this each laboratory allows for 20 working positions except the two chemistry laboratories which are each equipped to take 40 students.

Mr. W. G. Bruce, Senior Lecturer, stated that in this new School the College Staff had a school which would enable them to train pharmacists equipped to enter any branch of pharmacy they desired.

PHARMACEUTICAL ASSOCIATION OF AUSTRALIA

KODAK TRAVELLING SCHOLARSHIP

Number 4 — 1959

The Pharmaceutical Association of Australia has pleasure in announcing that the directors of KODAK (AUSTRALASIA) PTY. LTD. have again donated the sum of ONE THOUSAND POUNDS, this to be awarded as a TRAVELLING SCHOLARSHIP in 1959.

CONDITIONS OF AWARD

The following conditions of award of the Scholarship have been adopted by the Executive of the Association

- Objects of the Scholarship. The objects of the Scholarship are to enable the holder:
 - (a) to further his training by means of post graduate studies and/or research in a particular aspect or aspects of Pharmaceutical Science;
- or (b) to investigate methods used abroad in Pharmaceutical Education and post-graduate courses for pharmacists.
- or (c) to undertake a comprehensive study of one or more of the following aspects of Pharmaceutical practice:

 Retail and/or Institutional Pharmacy.

The Economics of Pharmacy.

The laws affecting the practice of Pharmacy.

- 2. The applicant must:-
 - (j) be a registered Pharmaceutical Chemist and a graduate of a recognised pharmaceutical establishment in Australia.
 - (ii) be not more than 35 years of age on December 31, 1958.
 - (iii) submit to the Association an outline of the project he proposes to carry out, together with evidence of ability to do so.
 - (iv) submit with the application the names of two suitable persons as referees.
- 3. The successful applicant will be required:-
 - (i) to reside outside of Australia for a period of not

- less than twelve months, and undertake studies, investigation or research in Great Britain or such other countries as may be approved.
- (ii) to submit to the Association periodic reports on his work at times to be agreed; and a detailed report within three months after expiration of the Scholarship.
- (iii) by arrangement with the Association, if requested, deliver a lecture or lectures or addresses on his work abroad in two or more States of the Commonwealth.
- (iv) to give an undertaking that he will return to Australia and remain in active association with Pharmacy for at least two years after expiry of the Scholarship.
- Applications must be addressed to the Honorary General Secretary of the Association and marked "Application for Kodak Travelling Scholarship" on the envelope.
- The award will be made by the Executive of the Association.
- The latest date for receipt of applications is October 15, 1958.
- 7. If in the opinion of the Executive no suitable appli-
- · cation is received no award will be made.

A. N. Z. A. A. S.

Adelaide Meeting, August 20-27, 1958 SECTION "O"

PRESIDENT:

A. W. Callister, 471 Glenferrie Road, Kooyong, Melbourne.

VICE-PRESIDENTS:

R. A. Anderson, B.Sc., A.U.A. Pharmacy Department, University of Adelaide. E. J. Nicholas, Perth.

SECRETARY:

W. B. Blanks, A.U.A. Pharmacy Department, Children's Hospital, North Adelaide.

All Sessions to be held in Room 202, Darling Building (first floor) unless otherwise indicated in the programme.

PROPOSED PROGRAMME -

TUESDAY, AUGUST 19:

7.15 p.m. Welcome and reception to visitors.

WEDNESDAY, AUGUST 20:

10.30 a.m. General Assembly.

3.30 p.m. President's Reception.

8.00 p.m. A.N.Z.A.A.S. Presidential Address, "Science and the Survival of Civilisation," Professor M. L. E. Oliphant.

THURSDAY, AUGUST 21:

9.30 a.m. Presidential Address, Section "B" (Chemistry), "Waxes and Natural Surface Coatings," Dr. H. H. Hatt.

11.15 a.m. Presidential Address, Section "O", "A Survey of Drug Controls," A. W. Callister.

2.15 p.m. Discussion, "Uniform Poison Laws." Leaders: E. B. Pollard (Sydney); Prof. S. E. Wright (University of Sydney).

4.00 p.m. "Some Aspects of Sterilisation," K. D. Johnson (F. H. Faulding & Co. Ltd., Adelaide).
"Sterilisation of Penicillin," A. G. Matthews and G. Anderson (C.S.L., Melbourng)

8.00 p.m.. First Giblin Memorial Lecture, "L. F. Giblin and the Frontier of Research on the Australian Economy," Prof. Sir Douglas Copland.

FRIDAY, AUGUST 22:

9.30 a.m. Liversidge Lecture, Section "B," "Activated Metal Catalysts in Organic Synthesis," Professor C. M. Badger.

11.15 a.m. "Overseas Impressions of a Pharmaceutical Curriculum," R. A. Anderson (University of Adelaide).

> "Pharmaceutical Education in South Africa and Australia—Some Comparisons," Miss D. K. Large (University of Sydney).

2.00 p.m. Excursion to Weapons Research Establishment at Salisbury.

8.00 p.m. Theatre Night.

SATURDAY, AUGUST 23:

Morning and Afternoon Free.

8.00 p.m. Pharmaceutical Society of South Australia Dinner.

SUNDAY, AUGUST 24:

10.00 a.m. to 5.00 p.m.: All day tour to the Barossa Valley. Barbecue Lunch and Inspection of Seppelts Pty. Ltd.

MONDAY, AUGUST 25:

- 9.30 a.m. "The Pharmacology of Chlordosine." Prof. R. H. Thorp (University of Sydney).
 - "Pharmacological Actions of Some Derivatives of Tetrahydronaphthylamine," Miss J. Pennefather (University of Sydney).
- 11.15 a.m. "The Development of a New Drug P.A.M.N. (Propylaminomethylnitrate)," Prof. F. H. Shaw (University of Melbourne).
 - "A New Group of Antimicrobial Agents;
 Pharmacology and Clinical Assessment,"
 G. C. Burgess (Allen & Hanburys (A'asia)
 Ltd., Sydney).
- 2.15 p.m. "Some Observations on the Effect of Chlor-dosine on the Human Subject," Prof. R. H. Thorp and Prof. C. R. B. Blackburn (University of Sydney).
 - "The Metabolism of Acetyl Digitoxin," J. Martin and Prof. S. E. Wright (University of Sydney).
 - "The Effect of Molecular Structure on Hepatic Excretion of Cardiac Glycosides," Mrs. E. Cox and Prof. S. E. Wright (University of Sydney).
- 4.00 p.m. "Changes of Digitoxin Content of Digitalis Landa During Drying Processes," Miss I. Reilly and Prof. S. E. Wright (University of Sydney).
 - "A Study of the Apical Meristem of Digitalis Lanata," Mrs. D. A. Thorp (University of Sydney).
 - "Uses of Polymyxin B. Sulphate," E. B. Pollard and K. J. C. Johnson (Burroughs Wellcome & Co. (Aust.) Ltd., Sydney).
- 7.30 p.m. PHARMACEUTICS SYMPOSIUM University Staff Club Room.
 - "Hibitane," V. G. Stott (I.C.I.A.N.Z. Ltd., Melbourne).
 - "A Study of Stability of Atropine Eye Drops A.P.F.," Mrs. J. George (University of Sydney).
 - "The Bactericidal Activity of Ophthalmic Vehicles," B. H. Stock and R. A. Anderson (University of Adelaide).
 - "Properties and Application of New Emulsifying and Thickening Agents," Dr. D. McHugh (Parke, Davis & Co. Ltd., Sydney).
 - "Kerosene Poisoning," S. A. Downie (Adelaide Children's Hospital).
 - "The Stability of Chloramphenicol in Buffer Solutions," N. Broadhurst and Prof. S. E. Wright (University of Sydney).

TUESDAY, AUGUST 26:

- 9.30 a.m. Papers—"Victorian Brown Coal Tar"
 - "Analysis" (Dr. Hanson).
 - "Pathological Studies" (Dr. N. McCallum).
 - "Clinical Assessment" (Dr. I. Stahle).
 - "Pharmaceutical Presentation" (N. C. Mauning).
- 11.15 a.m. "Paper Chromatography of Food Colours,"

 G. Holder and G. Graham (University of Sydney).
 - "Analysis of Mixtures of Sodium Bicarbonate and Sodium Citrate," F. Michael and T. R. Watson (University of Sydney).
 - "Use of the Spectrophotometer in Pharmaceutical Analysis," E. B. Pollard (Burroughs Wellcome & Co. (Aust.) Ltd., Sydney).
- 2.15 p.m. SYMPOSIUM—"Developmental Projects in Hospital Pharmacy,"
 - Dr. J. H. Lindell (Chairman, Hospitals and Charities Commission of Victoria).
 - G. L. Burns and Dr. B. Nicholson (Royal Adelaide Hospital).
 - A. Stewart (Newcastle Hospital).
 - C. B. Macgibbon (Royal Melbourne Hospital).
 - A. E. Footit (Royal Perth Hospital).
- 4.00 p.m. "Encapsulation," P. Berry (D.H.A. (Vic.) Pty. Ltd., Melbourne).
 - "Chlorotniazide," J. S. Baker (Merck, Sharp & Dohme (Aust.) Pty. Ltd., Sydney).
 - "The Role of Manufacturers of Ethicals in Modern Medicine," G. T. Peterson (Sigma Co. Ltd., Melbourne).
- 8.00 p.m. Public Meeting in Conjunction with South Australian Guild (Y.W.C.A. Hall, Pennington Tee., North Adelaide). Speakers: F. H. Bedford (Melbourne); B. T. Brown (Sydney).

WEDNESDAY, AUGUST 27:

- 9.30 a.m. "Radioactive Isotopes," A. I. K. Lloyd (Melbourne).
 - "The Use of Radioactive Isotopes in the Study of Metabolism of Steroids," B. T. Brown (Sydney).
- 11.15 a.m. "The Standards and Tolerances of Compressed Tablets," J. B. Green (Fawns & McAllan Pty. Ltd., Melbourne).
 - "Parasitic Worms in Humans," K. J. C. Johnson (Burroughs Wellcome & Co. (Aust.) Ltd., Sydney).



EDITED BY A. T. S. SISSONS, B.Sc. F.P.S.

ARTICLES

- Australian and New Zealand Association for the Advancement of Science.
- · Observations on Formulations of Chlorhexidine Diacetate With Q Ammonium Compounds as Antiseptics. Quaternary S Hospital
- · Phenols of Brown-Coal Tar.
- · Alkaloids From Australian Native Flora.
- · An International Pharmaceutical Information Service
- Royal Society (London): Science Exhibits
- · Chlorothiazide: An Oral Diuretic.
- · Anti-tubercular Drug from Cod Liver Oil
- · Cod Liver Oil Makes a Comeback.
- Partition Chromatography of the Glyco-sides in Digitalis Purpurea Seeds.
- Sterilisation of Syringes by Infra-red Radiation.
- · Antacids and Antipeptic Agents.

AUSTRALIAN AND NEW ZEALAND ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

ADELAIDE MEETING, AUGUST, 1958

Some features from the programme.

Presidential Address

"Science and the Survival of Civilisation," by Professor M. L. E. Oliphant, F.R.S.

Section O. Pharmaceutical Science

Presidential Address: "A Survey of Drug Controls." by A. W. Callister, F.P.S.

Section B. Chemistry

Presidential Address: "Waxes, the Natural Surface Coatings," by Dr. H. H. Hatt. Liversidge Lecture: "Activated Metal Catalysts," by Professor G. M. Badger.

Section D. Zoology

Presidential Address: "Factors Involved in the Regulation of Mammal and Bird Populations," by F. Ratcliffe, O.B.E., B.A.

Symposium: "The Biological Effects of Radiation."

Section I. Microbiology and Preventive Medicine

Presidential Address: "Latency in Viruses," by Professor J. A. R. Miles.
Symposium: "Enzyme Mechanisms."

Section J. Education, Psychology and Philosophy

Symposium: "The Influence of Films and TV on Education and Social Structure."

Section M. Botany

Presidential Address: "The Plant Factor in Soil Formation," by Professor R. L. Crocker.
Symposium: "Carbohydrate Metabolism."

Section N. Physiology and Biochemistry

Presidential Address: "The Contribution of Endocrinology to Progress in Biochemistry," by Professor V. M. Trikojus.

Section P. Geography

Symposium: "How Many People Can the World Support?

Excursions include

- Weapons Research Establishment, Salisbury. Waite Agricultural Research Osmond. Institute, Glen
- 3. Barossa Valley.

OBSERVATIONS ON FORMULATIONS OF CHLOR-HEXIDINE DIACETATE WITH QUATERNARY AMMONIUM COMPOUNDS AS HOSPITAL ANTI-SEPTICS

N. E. Poynter, Ph.C., Manager Pharmacist, Royal Hobart Hospital

Spread of infection caused by resistant strains of athogens has led to a critical re-examination of pathogens chemical sterilisation procedures in most hospitals

No single formulation of chemicals can be ideal for all purposes. In selecting the most suitable types, has been found that, in addition to specific bactericidal activity, a chemical must be evaluated for toxicity, irritant properties to tissues and skin, damage to rubber and metal equipment, chemical stability, ease of handling, availability and overall cost. A further interesting point (demonstrating illogical "association of ideas") is that the majority of medical and nursing staffs prefer, or even demand, a preparation with "an antiseptic smell.

Considerable experience with concentrated solutions of quaternary ammonium compounds (e.g. Benzalko-nium, Cetrimide) at Royal Hobart Hospital supports the view that antiseptic solutions should be issued diluted and ready for immediate use. Nursing staffs find difficulty in making accurate dilutions from concentrated solutions, and careless handling of such concentrates often results in irritation to hands and skin.

With these considerations in mind, the group of quaternary ammonium compounds has been selected as most attractive for routine hospital use. In spite of known incompatibility with anionic soaps, available evidence favours these compounds, particularly when formulated with Chlorhexidine and a surface-active

Three formulations have been under trial for about one year at the Royal Hobart Hospital. Details of these preparations are as follows:

1. Skin Detergent

A coloured solution in a volatile base, intended for defatting and sterilising intact skin prior to surgery, injection, etc. Quaternary ammonium compound (e.g. Benzalkonium, Benzonium, Cetrimide, etc.) Surface-active agent (e.g. "Triton X100") Chlorhexidine diacetate 0.025

Colour (e.g. Methylene Blue plus Tartrazine)

Odour (e.g. Neutraliser Helio) Acetone	10
Acetone Alcohol (as Methylated Spirit) Water	. 85
2. Tissue Disinfectant Solution	
A coloured solution in pure water, for application to hands, skin, tissues, suture lines, for initial cle wounds or abraded surfaces, or fina	exposed eaning of
hands, instruments, etc.	0.05
Quaternary ammonium compound	
Surface-active agent Chlorhexidine diacetate	0.5 0.025
Colour (e.g. Edicol Supra Carmoisi	ne)
Odour (e.g. L.37 Deodorant) Purified water	4- 100
	to 100
3. Instrument Storage Solution	11
For the sterile storage of previously	
instruments, utensils, glassware, et	
emergency sterilisation by immersion	on for at
least 30 minutes.	0.2
Quaternary ammonium compound Surface-active agent	0.2
Chlorhexidine diacetate	0.05
Colour (e.g. Methylene Blue)	0.00
Odour (e.g. Neutraliser Helio) Sodium Nitrite ("anti-rust")	1.0
Water	1.0

Water Although Sorbitol has been recommended as a rust inhibitor, Sodium Nitrite has been found more satis-factory at Royal Hobart Hospital at least. The solution factory, at Royal Hobart Hospital at least. The solution is normally stored without inhibitor, Sodium Nitrite being added immediately before issue to ultimate user.

A vast amount of literature has been published on laboratory findings regarding bactericidal activity of various chemicals. This information is of the greatest importance in assessing the likely performance of a certain formulation, dilution, etc., under practical conditions

Recent publicity concerning serious outbreaks of Staphylococcal infections in hospitals indicates, perhaps, other factors apart, that evaluation of sterilisation techniques must be determined at the combat area-on the patient himself.

So many practical factors appear to influence the efficiency of all chemical and physical methods of sterilisation as to pose a real challenge to bacteriologists and biochemists to provide yet more adequate and accurate information on the spread of infection.

The empirical conclusion reached at Royal Hobart Hospital (that Chlorhexidine plus quaternary ammonium compound is an effective antiseptic) may well be proved inaccurate.

(Note: Products at present in use at Royal Hobart Hospital are:

"Hyamine 1622" (q.a.c.) and "Triton X100" by Rohm & Haas Company, U.S.A., imported through Messrs. Robert Bryce & Co., Melbourne, whose assistance is gratefully acknowledged.

Chlorhexidine ("Hibitane") is supplied by Imperial Chemical Industries Ltd.)

PHENOLS OF BROWN-COAL TAR

In the annual report C.S.I.R.O. 1956-57 it is stated "The problem of analysing the complex mixture of phenols present in the tar acids will be greatly simplified and more precise results will be obtained

Attention has been concentrated on establishing the technique for the separation of phenol mixtures and studying the behaviour of known mixtures of phenols. Two materials of opposite character, a hydrocarbon grease, and a liquid polyester, have been found to produce resolution of certain mixtures of phenols of closely similar boiling point. A limited amount of

work has been done on the extraction and fractionation of phenols from Lurgi tars, but the material so far available is not typical of the tars which will be produced when the plant of the Gas and Fuel Corporation of Victoria is in regular operation.

ALKALOIDS FROM AUSTRALIAN NATIVE FLORA

In the annual report C.S.I.R.O. 1956-57. Organic Chemistry Section, recent work on plant products from both Australia and New Guinea is reported:—

The collaborative programme with Smith Kline and French Laboratories of Philadelphia, United States of America, has revealed a number of species from both Australia and New Guinea of sufficient promise to warrant further examination. Additional staff, made possible by a grant from Smith, Kline and French, are to undertake the separation of the component alkaloids from these species for chemical and pharmacological study. The Division's field botanist spent two months in the Lae-Bulolo area, collecting over 100 species and gaining experience which will be of value for future collections.

Work is continuing on the alkaloids of Alstonia constricta, other than reserpine, which give non-volatile acids (trimethoxybenzoic or trimethoxycinnamic) on Despite this resemblance they do not hydrolysis. appear to belong to the reserpine class. Chronic toxicity tests on a concentrate of ester bases have not

yet been completed.

The alkaloids of Kopsia longiflora appear to be of a type not previously encountered in the indole group, and attempts to establish the main skeletal structure have so far been unsuccessful. Further study of Lunasia quercifolia (previously thought to be L. amara) has revealed that the greater part of the alkaloidal material consists of water-soluble bases which are very susceptible to attack by alkali. They are thus converted into water-insoluble weak bases which appear as artifacts unless the conditions of extraction are carefully controlled

Detailed studies have been made on Stock Poisons. pyrrolizidine alkaloids from Crotalaria trifoliastrum, aridicola, C. goreensis, Senecio jacobaea, S. mikanoides, Heliotropium supinum and Amsinkia intermedia, The two principal alkaloids of C. trifoliastrum are also the major alkaloids of *C. aridicola*; one has been shown to be O-methylsupinidine. This work suggests that alkaloids are not the toxic factor in *C. aridicola* responsible for Chillagoe horse disease. Testing of the isolated alkaloids awaits the collection of more plant material. C. lanceolata, C. intermedia and C. goreensis are also being examined with a view to determining their suitability as pasture legumes for Northern Australia; toxicity testing of the total alkaloids is in the hands of the Division of Animal Health and Production.

Work on Senecio jacobaea has centred around the structure of jaconecic acid which, together with isojaconecic acid, is obtained from the alkaloids jacobine and jaconine. A detailed study of the products of the reaction with lead tetraacetate has helped to clarify certain features of the structure of this acid.

From Heliotropium supinum have been isolated the alkaloids supinine, heliosupine, echinatine, and a fourth new alkaloid. Isolation of the alkaloids of Amsinckia intermedia has proved unusually difficult, but two have now been obtained as essentially homogeneous gums and have been shown to be esters or retronecine.

Much time has again been devoted to assays of species likely to contain pyrrolizidines with the object of recognising those which may be dangerous to stock. Assays have also been carried out at the request of agricultural and veterinary research workers in Western Australia and Queensland on species suspected of causing liver damage. Assays were also performed on Symphytum peregrinum, currently being considered for develop-

ment in this country as a high-yielding fodder plant. Small amounts of several alkaloids, probably pyrroli-

zidine derivatives, were found.

Chemical investigation of the alkaloids of the Western The new Australian blue lupin is almost complete. The new alkaloid is dehydro-17-oxosparteine, an unusual modification of the sparteine type of alkaloid. A study of the Hofmann degradation of the alkaloids epilupinine and lupinine has shed some light on the sterochemistry of their quaternary salts. No racemisation (as with cryptopleurine) has been observed, which indicates the need for a suitably situated unsaturated centre before

Work is continuing on the toxic principle of Atalaya hemiglauca which is now believed to be an amino acid. A number of the non-toxic constituents of this species

have been identified

AN INTERNATIONAL PHARMACEUTICAL INFORMATION SERVICE

The Pharmaceutical Journal, April 12, 1958, contained the following editorial note:-

British pharmacists are fortunate in having several good services at their disposal to help in answering inquiries about new drugs and proprietary preparations. The Scientific Publications Department of the Society and The Pharmaceutical Journal compile and issue this kind of information in the familiar form of The Extra Pharmacopoeia and the Index of New Products. The Society's Library maintains a collection and index of published work, and many of these papers are subsequently reviewed or abstracted in the Journal of Pharmacy and Pharmacology. Elsewhere at the Society's headquarters data is assembled to check labelling, declarations of composition, and poisons classification, where appropriate. For those drugs selected for in-clusion in the British Pharmaceutical Codex or the British veterinary Codex, analytical procedures are devised by the various sub-committees in collaboration with the Society's Laboratory, which also assists in the formulation of preparations for inclusion in the codices and the British National Formulary.

Although not more than about 20 to 30 new drugs may be evolved in a year, they may appear on the market, as pharmacists are only too well aware, in a multiplicity of forms, derivatives and mixtures with other drugs, old or new. Not only does this lead to stock-keeping difficulties, but to an ever-increasing amount of work for national information and laboratory services. Nowadays, when many drugs are internationally distributed, some duplication of effort in providing details of new products can obviously be avoided by exchange of information, and, in fact, a few specialised groups already collaborate in this way. The suggestion groups already collaborate in this way. The suggestion recently put forward by a World Health Organisation study group is that this collaboration should be extended to the setting up of an international clearing house information on all aspects of new drugs, with facilities for distributing it to national authorities that require it for drug control and other purposes. a service would be widely welcomed, and W.H.O. would seem to be the appropriate organisation to provide it, having, as it has, a well-established pharmaceutical section concerned with such matters as the International Pharmacopoeia, International Non-Proprietary Names and the Collection of Chemical Reference Preparations. The establishment of a service of this kind would mean, however, that the section would have to be considerably expanded, and there would be both staffing and financial problems to be overcome. The money available to W.H.O. for international health work is necessarily limited, and the value of the new service would have to be weighed against other projects such as malaria eradication in South America or the collection and

typing of new strains of influenza virus. manufacturers would have to be relied upon to provide the information in the initial stages. In Britain, most manufacturers are extremely co-operative, operating in countries where they cannot obtain adequate protection for their inventions by patents or trade marks may well be unwilling to give such data in case it should prove in some way of value to their com-petitors. On the other hand, the rapid spread of information about new products will speed their acceptance over a wide area and perhaps secure for them a place in market which could not otherwise have reached.

ROYAL SOCIETY (LONDON): SCIENCE EXHIBITS

The Royal Society (London) recently organised a conversazione at which techniques and apparatus used in current researches by Fellows were exhibited

We select the following from a report that appeared in The Chemist and Druggist, May 24, 1958:

The National Institute for Medical Research provided an exhibit dealing with a recently discovered viral inhibitor called interferon, which has been described as "a research tooi with particular value to the study of viruses," though its unusual properties may suggest its eventual exploitation in human medicine. Understood to be a protein, the substance is active against a number of viruses, both in vivo and in vitro, and has a low toxicity. It is produced by inoculating chorioallantoic membranes with an influenza virus inactivated by ultra-violet light. After two to three hours at 37° C., the inoculated material is removed, and the membranes are incubated overnight in salt solution. Interferon occurs in the solution, which is then concentrated. The substance is stable over a wide pH range, and may be stored at a temperature of 2° C. for several weeks, but temperatures about 60° C. destroy the material. Observations upon its activity have shown that its presence interferes with the growth of other viruses, and on that fact its assay is based, the potency of a sample being expressed in terms of its ability to inhibit the growth of influenza and related viruses in chick tissue. Tenfold concentration gives a potency against vaccina and cow pox sufficient to retard growth completely. Vaccination nodules do not occur on rabbit skin after the animal has received vaccinia and fibroma viruses. It was emphasised at the conversazione much more research is demanded, but laboratory-scale production does not represent a difficulty in providing material for investigation.

The research institute of plant physiology, Imperial College of Science and Technology, provided a plant (nicotiana var., white burley) and apparatus to illustrate the technique involved in studies of plant biosynthesis using radioactive carbon. Radioactive carbon C14 is provided in the form of 14CO2, and a leaf is exposed to the gas for a few hours in sunlight. location of the products of biosynthesis is detected by means of a Geiger counter, and a permanent record of the effect of specified conditions in experimental

work is obtained by the use of X-ray film.

Oxford University department of botany contributed wire and plastic models (representing a 60,000 magnification) of cell division and the influence of molecular Modification of structure upon chromosome shape. shape can be caused by nucleic-acid starvation of the genes. The influence of irradiation, dosage being such that fragmentation of the chromosomes is not severe, allows the broken structure to reunite, possibly into a new shape, thereby producing hybrids. acceleration of evolutionary change in plants and animals is therefore possible and feasible also in man. Simple experiments upon inbreeding have demonstrated and confirmed the Mendelian principle that to in-breed hybrids tends to emphasise the creation of homozygous

Cockroach populations isolated by natural circumstances have demonstrated a natural selection in apparent contradiction of the Mendelian principle, an observation paralleling earlier findings on plants.

CHLOROTHIAZIDE: AN ORAL DIURETIC

R. I. S. Bayliss, D. Marrack, J. Pirkis, J. R. Rees and J. F. Zilva. (Lancet, 1958, 1, 120.) Chlorothiazide (6 - chloro - 7 - sulphamyl - 1;2;4 - benzothiadiazine - 1: 1-dioxide) is a non-mercurial oral diuretic, with action resembling that of mercurial diuretics. value of chlorothiazide was assessed in 24 oedematous patients, of whom 17 had congestive heart failure and 11 had responded poorly to mersalyl. A daily dose of 2 g. (1 g. at 8.30 a.m. and 1 g. at 4.30 p.m.) produced good results, with clearing of oedema, in 14 patients: in 7, the results were less satisfactory, and in 3 were poor. Chlorothiazide may be effective in patients who do not respond to mersalyl, and it enhances the response to mersalyl even in patients who have become mersalyl-No toxic effects were observed except resistant. patient who developed malaise and anorexia. Chlorothiazide caused an approximately equimolar loss of thiazide caused an approximately equimolar loss of chloride and sodium. It may cause potassium depletion, particularly if continuous treatment with 2 g. daily is given over a long period: in cases where this dosage is necessary the treatment should be supplemented with 2 to 6 g. of potassium chloride. In less severe cases, which respond quickly, a dose of 1.0 to 1.5 g. daily of chlorothiazide may suffice; for maintenance therapy the drug may be given intermittently on 3 or 4 days each week.—J. Pharm. Pharmacol., 1958,

ANTI-TUBERCULAR DRUG FROM COD LIVER OIL

(Abstract by H. S. Grainger, F.P.E., "Drug and Chemical Exports," May, 1958.)

Cod liver oil has been known as a valuable dietary cod liver oil has been known as a valuable fletary supplement for many years. It has been so successful in the prevention of diseases due to deficiency of vitamins A and D that it is a rarity to find a case of rickets in Britain today. The lay public is well informed concerning its value, and the Government has since the second world war provided free cod liver oil for information. for infants.

To most people, cod liver oil is a source of vitamins A and D, and there is a tendency to presume, therefore, A and D, and there is a tendency to presume, therefore, that all its activity is due to its vitamin content. Recent work in the U.S. and in Holland indicates that this is not the case. The Dutch workers, W. Klip, A. Emmeric and Chr. Engel, have discovered a substance referred to as Fraction 5 which has a high antitubercular action of the same order as penicillin has for other organisms. Solomides in France has also found an anti-tubercular substance which appears to be different from that in Fraction 5. In the U.S. Getz has demonstrated that code livers oil had a guarting has demonstrated that cod liver oil had a curative effect in tubercular patients, which was not dependent upon its vitamin A content. It thus appears that cod liver oil contains a yet unidentified potent factor which is likely to have important therapeutic use. British cod liver oil is being supplied for the research and it is hoped that an early success will be achieved.

COD LIVER OIL MAKES A COMEBACK

Cod liver oil, long regarded as an old-fashioned remedy, has made a spectacular comeback in popularity in recent years. In fact an English company now processes the livers of some 82 million cod a year to produce between 13 and 16 thousand tons of cod liver The flesh of the fish is an all important part of

the food supply of Great Britain, and the liver oil is shipped all over the world.

Manufacturers claim that the increased output is due to a growing realisation that cod liver oil has many uses other than the age old use for the prevention of

rickets in children.

Nowadays cod liver oil is recommended by many doctors and dietitians for:

Prevention of the common cold:

Curing arthritis;

Anaemia: A supplementary treatment for tuberculosis;

A pre-natal dietary supplement, and for Vitamin A and D deficiencies, and many other

conditions

Once rickets was a common disease in Europe and was caused mainly by poor dietary standards. Cod liver oil has been the chief means of wiping out this disease

In 1942 England was faced with the problem of increased incidence of rickets due to strict wartime rationing. It was overcome by a government welfare to supply free cod liver oil to all children under the age of five.

The free issue has been continued in England since the war, with the result that rickets now is virtually non-existent in that country, and children are out-standing for their health and vigour.

Symptoms of partial rickets can, however, be seen in many communities—even in Australia where the standard of living is high. Sub-normal growth, bad teeth, spine curvature, jutting jaws, poor facial contours and brittle finger nails are all symptoms of partial rickets brought on by vitamin D deficiency.

Because cod liver oil is rich in vitamins A and D and is also a food containing a high iodine content, it is ideal for use where these conditions are known.

Iodine Essential

Iodine is all important to the human body. It lessens fatigue, helps to correct uric-acid metabolism, helps to form haemoglobin (a vital element in the blood), dilates the blood vessels, improves blood circulation, stimulates metabolism and loosens fibrous tissue.

The human body contains only 25 milligrams of iodine, and about 60 per cent. of that is contained in the thyroid gland. So only a slight iodine deficiency can cause a number of physical shortcomings. It can be replaced by taking cod liver oil.

Arthritis Cure

Today one of the most prevalent and painful conditions known to man is arthritis. And here, too, cod liver oil, combined with correct diet, is being claimed as a cure.

Only recently a well-known American dietitian, Dan Dale Alexander, published a book, "Arthritis and Common Sense," in which he says that correct diet together with regular doses of cod liver oil can cure the condition by giving the joints added elasticity and prolonged life.

Alexander says that cod liver oil will not only regenerate old tissue, but it will build new tissue. He claims that oil is the only form in which vitamin

D can cause the manufacture of natural cortisone in the human body.

This hormone is normally manufactured along with

27 others in the adrenal glands.

When cortisone is released into the bloodstream it travels into the joints and connective tissues. Joint linings need cortisone to add stickiness in and around the joints.

TB Experiments

Interest in cod liver oil has been stimulated, too, by the experiments of Dr. H. R. Getz in the United States. At the Charles Cook Hastings Home, Altadena, California, Dr. Getz was treating 78 patients suffering from moderately advanced tuberculosis.

He split them into three groups.

One group was treated by normal methods; the second received the same treatment with the addition of synthetic vitamin supplements; and the third group was given normal treatment plus regular doses of cod liver

Dr. Getz found that within 30 days of the start of the experiments 96 per cent. of the group on cod liver oil had recovered so much vitamin A in their bodies

that their blood analysis was normal.

When the course of treatment was concluded, this group showed a recovery rate of 100 per cent.; the group on synthetic vitamins achieved only 62 per cent. recovery, which was little better than the third group who were given no vitamin supplements at all.

More recently, medical circles were interested to learn that a new extract has been obtained from cod liver oil that promises to be as effective against tuberculosis germs as penicillin is against blood poisoning.

Twelve ounces of this extract were isolated last year from about 50 lb. of cod liver oil by scientists of British Cod Liver Oils Ltd. in England and sent to Holland for further examination.

From this derivative Dutch scientists have isolated an element which, diluted a few parts per million,

will kill TB germs.

Vitamins Essential

All authorities agree that vitamin intake must be adequate if health is to be maintained. Even people who do not consciously diet often starve themselves of necessary vitamins.

Here is still ample evidence of the need of cod liver

oil in the average diet.

Dry eyes, no wax in the ears, decaying teeth (Fluorine in cod liver oil hardens the teeth), dry complexion and scaly skin are some of the signs to watch for. They all indicate deficiencies that can be remedied with cod liver oil.

vitamin intake should not be too rapid. However. There should not be any attempt to remedy a deficiency by taking overdoses of concentrated vitamins.

In America it was found that overdosage in the form of concentrated tablets and capsules had little benefit without the oil or food base supplied by cod liver oil. Indeed, in some cases, excessive doses of concentrates

caused deaths through vitamin auto-intoxication

PARTITION CHROMATOGRAPHY OF THE GLYCO-SIDES IN DIGITALIS PURPUREA SEEDS

K. Miyatake, A. Okano, K. Hoji and T. Mike. (Pharm. Bull. Japan, 1957, 5, 157, 163, 167, 171.) A suitable extract of the seeds was subjected to adsorption chromatography on alumina using water saturated butanol as the developing solvent. Each fraction was subjected to ascending paper chromatography, using water saturated ethyl ketone as the moving phase and water as the stationary phase. These paper chromatograms were done in triplicate and were treated separately by (a) SbCl₃-CHCl₄ solution, (b) 1 per cent. HCl-MeOH solution and (c) 25 per cent. m-dinitrobenzene-benzene solution. By this means, purpurea glycosides A and B. gitoxin, strospeside, digitalinum verum and 17 other substances (probably glycosides) were shown to be present. It was also shown that digitalinum verum was closely associated with a small quantity of one of these unknown glycosides. The presence of this impurity prevented crystallisation: when it was removed (by partition chromatography on Celite 535) crystals of pure digitalinum verum were readily obtained. unknown glycoside is probably glucogitofucoside. Fur-

ther work on one other of these unknown glycosides, which appeared to be present in comparatively large amount, was done. It was obtained in a crystalline form by using similar techniques employed previously for digitalinum verum. This new glycoside was named gitostin, and further work showed that it was gitoxigenin-glucosido-glucosido-digitaloside. Partial decomposition by enzyme produces digitalinum verum and glucose.—J. Pharm. Pharmacol., 1958, 5, 330.

STERILISATION OF SYRINGES BY INFRA-RED RADIATION

E. M. Darmady, K. E. A. Hughes and W. Tuke. (J. Clin. Path., 1957, 10, 291.) An infra-red steriliser for syringes is described. It consists of a metal moving belt on which the assembled syringes are loaded on trays in their pre-sealed containers. They pass through an insulated tunnel over which infra-red projectors are placed at predetermined intervals. Experimental studies showed that the heating up time was rapid and a sterilisation time of 11 minutes at 180° ensured sterility. The apparatus can be used for the sterilisation of other glassware articles.-J. Pharm. Pharmacol., 1958, 5, 333.

ANTACIDS AND ANTIPEPTIC AGENTS

Abstract by H. S. Grainger, F.P.S., "Drug and Chemical Exports," May, 1958.) In recent years the work done on substances for the treatment of gastric ulcer has centred either on their capacity to neutralise gastric hydrochloric acid or on their antispasmodic action. As a result of work done by Brindle in 1953 on the relative neutralising capacity of various antacids, bismuth salts, which had long held a popular place in the materia medica, were regarded with some doubt and are little used now. The National Formulary omits bismuth preparations altogether

Bateson has now drawn attention to the importance of considering the antipeptic activity as well as the antacid activity of this group of compounds. He argues that the aim of therapy should be to maintain the pH of the stomach juice between 2 and 4 and to suppress peptic activity. Many of the preparations now in use, e.g., magnesium oxide, magnesium trisilicate, etc., raise the pH above 5 and therefore give a stimulus to further

acid secretion.

He has compared the activity of a new compound, bismuth aluminate (Bi₂(Al₂O₁)₃, 10H₂O with a number of compounds now in use. For this purpose a special reaction flask was devised in which the agents were added intermittently to an artificial gastric juice of Brindle's formula. The pH was continuously recorded and fresh "juice" was added at intervals of 20 minutes, thus reproducing as nearly as possible the in vivo conditions. Peptic activity was estimated by the ability of the juice to flocculate casein particles in fresh milk.

Neutralising capacity is expressed as the percentage of the acid neutralised per gram of elemental bismuth. From this it is seen that the aluminate kept the pH at (or below) 3.77 throughout and inactivated 642 gm. pepsin. Other substances such as the carbonates also inactivate large amounts of pepsin, but also give pH values well above 6.0. The compound most closely resembling bismuth aluminate in its performance was aluminium glycinate, which inactivated even larger amounts of pep in and also maintained the pH below

The author's figures for neutralisation values show that bismuth aluminate as powder was more effective than the cream, calculated on the weight of bismuth in each. No explanation of the difference is offered.

The Pharmacy of the B.P. 1958

By H. E. R. Barker, B.Sc., F.P.S.

A lecture delivered to members of the Pharmaceutical Society of Victoria on July 23, 1958,

The 1958 B.P. has aroused some rather strong criticism in the United Kingdom. One contributor to the Pharmaceutical Journal of Great Britain went so far as to suggest that its publication should be stopped. One can sympathise a little with that pharmacist, for (like everything else in this world) the B.P. has its imperfections; but on reflection the criticism seems a little unfair. It is of course a fact that the B.P., long since ceased to be a prescriber's handbook, is no longer frequently referred to by the dispensing pharmacist, though it is still indispensable to him. It has become more of an analyst's book and a manufacturing pharmacist's book of standards.

The reason for this is simple enough. Modern materia medica has become largely chemical and much more voluminous. Some specialisation among books of standards has occurred, the B.P. assuming the function of laying down specifications for those drugs, and some mass-produced preparations of them which are articles of commerce in Great Britain and the Commonwealth, and which are considered to have some permanence of currency.

Pharmacy does not change because the B.P. changes; the cause and effect relationship is quite the reverse; and pharmacy as a whole has not changed as much as the B.P. has changed, because the B.P. represents only a part of pharmacy—the more rapidly changing part, the more chemical, analytical and manufacturing part. The dispensing part of pharmacy is served for the most part by other texts: the Codex and the various national formularies like our A.P.F.

The change in pharmacy in the last generation—as I see it—is simply that herbalism has gone, injections have been thrown in, tablets have replaced mixtures, ointments and creams have swarmed, the total number of drugs and preparations has increased out of count, the whole business has become vastly more scientific and accurate, everyone is taking a lot more medicine, and it is doing them a lot more good.

The Nomenclature.—The titles of the 1953 B.P.—Tincture of Belladonna, Solution of Cresol with Soap, Tablets of Mepyramine Maleate and so forth—always struck one as so much affectation. Now we have a new style, which is more concise, clearer and more natural—Belladonna Tincture, Cresol with Soap Solution, Mepyramine Tablets—names which we all used and thought except when we read from the 1953 B.P. (Though even the 1953 B.P. said Chloroform Water, not Water of Chloroform.)

There are a few more drastic changes in title. The word "Sagrada" no longer has to follow "Cascara" wherever it goes. "Chlortetracycline" instead of "aureomycin" is in line with the sound tradition for giving drugs names derived from their chemical nature rather than from some feature of their natural sources once the structure becomes known. (I am glad, however, that "Sodium Penicillin" is too well established to be renamed "Sodium benzothiolactamate" or something like that.) That B.P. 1953 title "Injection of Procaine Benzyl Penicillin with Benzyl-penicillin," has now been

changed to "Fortified Procaine Penicillin Injection," in line with trade practice.

Simple Cream is now called "Aqueous Cream" and Hydrous Ointment is now called "Oily Cream." This "Aqueous" and "Oily" notation for O/W and W/O emulsion creams is a very common-sense one, and I like to think that it was the A.P.F. with its Cremore Oleosae and Aquosae that started it off. It is quite understandable that such a useful notation should be invented in Australia, because Australian pharmacists seem to have an extraordinary interest in creams, and our formulary provides quite an abundance of them. I suppose that is a natural consequence of our relatively sunny and windy climate and our national predilection for the open-air life.

The anhydrous calcium chloride of the 1953 B.P. has been deleted, and so Hydrated Calcium Chloride is now called just "Calcium Chloride." No end of confusion is going to result. People very correctly call the anhydrous salt "Calcium Chloride." The anhydrous salt appears as a reagent in Appendix 1, and there it is referred to as "Anhydrous Calcium Chloride." I think these names would have been better left as they were in the 1953 B.P.

There was a time in pharmacy when confusion arose with groups of similar names like "Calamine," "Cammomile," "Calamus" and "Calomel." It looks as though those days are returning. We now have Chlorpromazine Hydrochloride, Chlorcyclizine Hydrochloride and Chlorotetracycline Hydrochloride, also Neomycin Sulphate and Neostigmine Methylsulphate. Another pair of masqueraders is Methoin and Methadone, and there are many other such traps. The insidious part about it all is that the people who are best informed about these substances—pharmacists and physicians—gener-ally refer to them by their trade names, which are usually very different, and so they are not aware of the dangers to other people, like shipping clerks, purchasing officers, warehousemen and so forth, who handle large quantities of these drugs, manipulating them only with shipping dockets, requisitions and so on, and never hear-ing the words pronounced. In fact, the official titles are no longer adequate, and most importers and manufacturers have to adopt some auxiliary coding practice. One house, for example, has found it necessary to change all its labels on bulk stocks of pentobarbitone sodium and all its formula books, internal records, cost sheets, etc., so that the name reads, "5-pentobarbitone sodium," so as to distinguish it from phenobarbitone sodium. They translate it back again to the official title when the product is labelled and invoiced just before leaving their premises. A glance at the latest list of approved names accompanying the new B.P. will convince anyone that we may have more trouble in the

Deletions.—We shall not meet all of them in the B.P.C. Liquid Glucose is out. The B.P. monograph was without effect in Victoria, anyway, because the substance is defined in the Victorian Food and Drug Regulations. A few old-fashioned ointments have been deleted. Tincture of Digitalis went because it is not stable and it does nothing that the tablets will not do.

The absence of some others will just not be noticed— Suppositories of Hamamelis, Syrup of Senna, Mucilage of Acacia, Emulsions of Chloroform and Peppermint and Lamellae.

There are a few important alterations.

Ipecacuanha Tincture.—The strength has been doubled to bring the B.P. into line with the International Pharmacopoeia. The concentration of alcohol, acetic acid and glycerin remain unchanged. The dose has been not quite halved; it used to be 10-30 minims; it is now 5-20 minims. There will be a little confusion here for a while, because it will not always be clear whether the prescriber has the old tincture in mind or whether he is aware of the new strength when he orders it. In many instances the pharmacist will have the dose as guide, but for doses in the 71-20 minim range (which could reasonably apply to either preparation) he will have to rely on his knowledge of the particular physician or else refer it to him. Prescribers could help by writing "B.P. 1958" after the name of the galenical when ordering it. Old repeat prescriptions will have to be filled with the old tincture or half the amount of the new tincture (when stocks of the old have run out). In some busy dispensaries stocks of the old tincture may have to be prepared from the liquid extract for some time to come, and they will have both preparations on their shelves. I should not recommend diluting the new tincture with an equal volume of water for stock purposes, because without the extra alcohol and glycerin it would ferment on storage.

Soap Liniment, instead of being made from soft soap, is now prepared from oleic acid and potassium hydroxide solution, so that the soap is formed in situ. The camphor, rosemary oil and alcohol contents remain the same. The difference is an important one, for soft soap of the B.P. is quite strongly alkaline, even though it passes the B.P. limit test for free alkali. In the new formula there is just enough potassium hydroxide to make as much soap as was present in the old liniment, but there is a 12½% excess of oleic acid, so that the new liniment is superfatted to that extent, and has no free alkali whatsoever. It contains 0.5% of unneutralised oleic acid, which easily dissolves in the 63% alcohol present. Besides a specification for alcohol content, the liniment has to meet three new specifications, including pH limits of 7.4-8.0, so that it can now be used for cleansing a seborrhoeic scalp without causing alkali damage. Though there is a restricted range of permissible pH value, the preparation can easily be made in the dispensary without pH adjustment—the excess oleic acid ensures that the pH will come within the required range, and no testing with indicators is necessary.

Adrenalin Solution.—The formula is changed in several ways. The adrenalin is now added in the form of its acid tartrate instead of the hydrochloride. This brings the pH to about 3.4 instead of about 1 for the old solution, and the change is therefore definitely one for the better. More sodium metabisulphite is added to keep the solution colourless on storage, and the preservative is now a mixture of chlorbutol and chlorcresol instead of just chlorbutol.

Syrup of Tolu, instead of being made with $2\frac{1}{2}\%$ tolu, is now made with $1\frac{1}{4}\%$. That makes no difference whatever to the final product, because only a small amount of the tolu dissolves in the water and the rest is filtered out. There is a small error in this monograph, because if you follow the directions exactly you get $1010~\rm G$, of Syrup, which is supposed to be diluted to $1000~\rm G$, with water. The directions say to boil the tolu with the water and then to adjust the weight of the decoction to $360~\rm G$. Then about $10~\rm G$, of undissolved tolu is filtered out, leaving about $350~\rm G$, filtrate, in which one is directed to dissolve $660~\rm G$. sucrose, making a total weight of $1010~\rm G$. I think the correct thing to do is

to adjust the weight of the decoction to 350 G. instead of 360 G. before filtering. Most pharmacists in this country will continue to use the A.P.F. Liquor Tolu with seven parts of syrup, anyway.

Cascara Elixir.—There is a minor change in the formula which will make no difference to the product, the only effect being that somewhat less magnesium oxide will be used in its preparation.

The Eye Ointments.—Two have been deleted: Atropine with Mercuric Oxide Eye Ointment and Penicillin Eye Ointment, which, together with all the other penicillin preparations for topical use, have been deleted on sound medical grounds. There are no new eye ointments, so that four remain: Atropine, Hyoscine, Mercuric Oxide (or Golden Eye Ointment), and Sulphacetamide Eye Ointments.

The base is made softer by the addition of 10% Liquid Paraffin. It still contains 10% of Wool Fat. This softening of the base is a good thing in temperate climates. It will make mechanical tube filling easier and should eliminate those annoying episodes of bursting the side of the tube when you are trying to extrude some of the eye ointment on a cold morning.

Strong Ammonia Solution.—In the 1953 B.P. the strength was 32.5%. Now it is 27-30% w/w. As this a heavy chemical, and pharmacists are relatively small users, I doubt whether the manufacturers will change with the new B.P. The weaker strength suits the British chemical manufacturers better. The purity is unchanged. So long as we know what we are buying and how much we are paying for it the strength does not matter, because it is never used in medicine undiluted. Dilute Ammonia Solution is still 10% w/w NH₃. Pharmacists here may be in the position of having to make an allowance for the extra strength of the strong solution when they use it. If we do, it will not be the first time we have found ourselves in that position, for most of the hydrochloric acid bought for pharmaceutical purposes here is 34.5%, whereas the B.P. acid has always been about 36.5%, and suitable corrections for the difference have had to be made when preparing the dilute acid.

Ointments.—There are three new ointments.

Hydrocortisone Ointment and Hydrocortisone Acetate Ointment both have the same base, 10% Wool Fat in White Soft Paraffin. Any strength is official, but for each of these ointments the B.P. makes another of those cybernetically economic statements that if no particular strength is ordered 1% shall be supplied. The method of preparation is to incorporate the finely powdered active ingredient into the base, using a slab and spatula. Most pharmacists would choose to make it that way, but for large-scale work I think it would be easier to dissolve the active ingredient in the melted Wool Fat.

The third new ointment is Zinc Undecenoate Ointment. There are new monographs for the actives: Zinc Undecenoate—a sort of Zinc Soap, and the unsaturated fatty acid itself, Undecenoic Acid. This Undecenoic Acid, unlike the naturally occurring fatty acids, has an cdd number (11) of carbon atoms. The ointment contains 20% Zinc Undecenoate with 5% Undecenoic Acid in "Emulsifying Ointment." The method of preparation is the "melt and stir till cold" type. I think a smoother preparation could be made if the Emulsifying Ointment was made in situ. I should suggest pasting the Zinc Undecenoate with hot liquid Paraffin in a warmed mortar, stirring in the Undecenoic Acid and then a melted mixture of the Emulsifying Wax and White Soft Paraffin. Of course, if an ointment mill is available, this will not be necessary.

Capsules.—There are five new capsules. Chlortetracycline, Diphenhydramine, Paramethadione, Tetracycline and Troxidone capsules must be uncoloured.



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Diphenhydramine and Troxidone capsules have hard shells; the others have soft shells. Though it is hard to understand how people could get worked up over the question of the colouring of tablets and capsules, it seems to have been a bitterly contentious issue in Great Britain, for there were two resignations from the B.P. Commission over this point.

Aluminium Hydroxide.-Aluminium Hydroxide Gel, Dried Aluminium Hydroxide Gel and Aluminium Hydroxide Tablets of the B.P.C. are now in the B.P. Aluminium Hydroxide Gel is the same as Mixture Aluminium Hydroxide of the A.P.F. except for the glycerin. Dried Aluminium Hydroxide Gel — the active ingredient of the tablets-is not all that it appears from the monograph. If one should attempt to prepare it by the obvious method, he would find that the product would not pass the test for neutralising capacity—at least after storage. The monograph contains the words "it consists largely of hydrated aluminium oxide," and I think the key to the situation is in that word "largely." What I am suggesting is that there is something else in it besides aluminium oxide and water. The official strength is not less than 47% Al₂O₈, and that is just slightly less than the theoretical aluminium oxide content of basic aluminium glycinate or aluminium hydroxy aminoacetate (as it is often called). Basic aluminium glycinate is well known to have all the properties required of Dried Aluminium Hydroxide Gel, B.P., and as it fits the official definition the two names are synonymous. I cannot understand, though, why the official monograph is so cryptic! A simple statement to the that glycine or other suitable stabilising agent may be included would save a lot of disappointment for anyone attempting to make it.

Tablets.—In former Pharmacopoeias, Glyceryl Trinitrate Tablets were directed to be made with a chocolate base. But it has been known for some years now that such tablets are not stable. For about the same time, an English manufacturer has been putting out Glyceryl Trinitrate Tablets, which, from their white colour, were very obviously not made with chocolate base, and they are remarkably stable. This firm (or, rather, some of the research workers in it) published that the tablets were stabilised with glycerin. But several people tried the published method out and found that it did not work. Now the B.P. directs that Glyceryl Trinitrate Tablets are to be made with a mannitol base.

On the subject of the standardisation of tablet diameters (over 200 of them) I have no strong feelings, but I think it but fair to point out that a good many manufacturing houses in the country have been put to some considerable expense trying to get the new sizes ready in time. There is one diameter, however, on which I do have very strong feelings. Considering all the hundreds of millions of tablets that are made, it should not greatly surprise us if occasionally one gets mixed with a whole lot of others of a different kind. If the odd tablet is of a different size from the others, it will usually get rejected by the equipment used for counting and packing them, or else by the person dis-pensing them. The consequence of a wandering tablet slipping through is rarely serious, anyway. It is, of course, inconvenient to be kept awake when you expect to be put to sleep, and vice versa, but unless a patient is nearly dead, anyway, the accident is not likely to be lethal, excepting when the patient is a young child. Now Sodium Citrate Tablets 2 grain are mostly given to babies, and the official diameter, 9/32 inch, is the same as for 21 other tablets, all of them of strengths for an adult, and you could only say that two of the 21 would not be lethal for an infant. It only needs one tablet of any of those 19 kinds to be flipped into the Sodium Citrate Tablets bin during manufacture or packing and a bottle-fed baby dies of misadventure. lieve that colouring of sodium citrate tablets should not be prohibited or optional-but compulsory.

DIAGNOSTIC AIDS

Sodium radio-iodide is now available as a finished pharmaceutical for both diagnostic procedures and therapy. The use of $I^{\scriptscriptstyle{131}}$ as a means of determining basal metabolic rate is claimed to be much more accurate than the usual method. For such a diagnostic procedure two forms are available: Radiocaps (Abbott) and Tracervial (Abbott). The former are empty gelatin capsules with carrier-free sodium radio-iodide adsorbed on the inner walls. On successive weeks, they are made in different colours to help the user distinguish different lots. Using one capsule as the standard, another is administered to the patient and the per cent. taken up by the thyroid measured after a stated time interval. For example, hyperthyroid patients will have over 50 per cent. taken up by the thyroid at 24 hours and hypothyroids less than 10 per cent. The diagnostic dose given is 5-50 micro-curies. For those preferring a liquid product, the Tracervial can be used. solution containing on the day of calibration 25 microcuries of activity/cc. For therapeutic use in thyrotoxicosis (toxic goitre) and thyroid neoplasms, a sterile solution for injection is supplied, (Sterile Sol. Therap —Abbott), an oral solution (Oriodide—Abbott), and capsules (Theriodide—Abbott). The dose, of course, must be very carefully estimated and measured, taking into account the age in days of the product and its decay rate. Care must also be taken to protect all personnel handling the therapeutic material.

A new method to determine the acid secretory function of the stomach eliminates the need for the use of a gastric tube to obtain gastric fluid. The test utilises the Diagnex Blue Unit (Squibb). In this test, gastric secretion is stimulated by the administration of caffeine sodium benzoate on a fasting stomach. One hour later, the Diagnex Blue granules are given suspended in a glass of water. These contain azure A dye adsorbed on an exchange resin. In the stomach, the blue dye is released by acid. hydrogen ions being exchanged for the dye. The dye is then excreted in the urine where it can be measured by visual comparison with colour standards.

A new organic iodine preparation for intravenous urography is sodium and methylglucamine diacetylamino triiodobenzoates (Renografin—Squibb). Renografin is reported to give excellent opacifications after 10-15 minutes following the intravenous injection of 20 ml. of the solution. A 1 ml. test dose is supplied in the package to test the patient for sensitivity. This is standard practice for all such organic iodine preparations to be given intravenously.—"Drug and Cosmetic Industry," May, 1958.

THE PRINTED WORD

A certain pessimistic professor of chemistry used to warn his students against blind acceptance of any statement in the textbooks. Errors, he said, constantly crept in and seldom crept out, being repeated from book to book

One such example was an unusual organic synthesis, long reported as pink until a later preparation brought out the fact that the original experimenter was colourblind.

Another example, quoted in a recent publication, related to the hippopotamus being oft-quoted as having no cholesterol in its bile, unlike other animals. This apparently arose from a dash being interpreted as "nil" instead of "no information." Curiously enough, the author who makes this error refers elsewhere on several occasions to "Petrie dishes." This spelling often crops up, and one textbook refers to the circular glass dishes "invented by a Scotsman called Petrie." The truth, so far as I can ascertain it, is that they were developed by R. J. Petrie, an Italian student of Robert Koch, and that they are still used for "plate cultures" because originally such cultures were made on a flat glass plate.

—"The Manufacturing Chemist."

Animal Health Notes

Why Do We Drench Livestock?

By Peter Durkin Rudduck, B.V.Sc.

post-mortem conducted recently on a ewe affected with Liver Fluke prompted the thought that many stock owners drench animals for the wrong reason. All too frequently treatment is carried out because some ani-mals have died, and not as a routine measure to maintain stock in good health and ensure maximum production.

In the case I happened to come across, a number of sheep had died and because of this the post-mortem was conducted to determine the cause of the deaths, and the conducted to determine the cause of the deaths, and the best treatment to use in preventing any further losses. That is to say, the farmer was drenching his sheep because some of them were dying, not to ensure the health of the flock. The old saying, "prevention is better than cure" is an excellent principle in controlling

stock diseases.

In this instance the farmer was in an area where Liver Fluke is known to cause serious trouble each year. Preventative treatment should, therefore, have been carried out as a routine, and it should have been commenced long before the infestation of Liver Fluke had built up to such a stage that deaths were occurring. If this had been done, the deaths would most certainly have been avoided, and even more important than that, the health and well-being of the flock would have been protected. Whenever a parasitic disease reaches such proportions that deaths occur, the general vitality of a very large number of animals in the flock will be seriously impaired. This will lead to general unthriftiness and a decrease in production either of wool or meat as a result. It, therefore, follows that the cost of routine preventative treatment will only be a fraction of the finan-cial loss due to mortality and decreased production which it prevents.

The routine treatment of parasitic diseases in stock is irly generally accepted, but it should be borne in fairly generally accepted, but it should be borne in mind that the same priciple, "prevention is better than cure," can be applied to other types of stock disease. For example, preventative measures where a bacterial disease such as Mastitis is concerned will reduce the risk of healthy animals being exposed to infection. It is a sound practice to treat all cows in a herd with Penijec when they are dried off, thereby reducing the risk of infection, persisting until the next season as a source of danger to healthy cattle.

The routine vaccination of stock against the common

The routine vaccination of stock against the common infectious diseases such as Black Disease, Pulpy Kidney and Black Leg should also be regarded as a preventative measure. In a district where any of these conditions is known to be prevalent, the wise farmer does not wait until deaths actually occur before vaccinating. It must be remembered also that when any animal is vaccinated, there is always a negative phase before an effective immunity will be developed. For example, in the case of a sheep vaccinated against Black Disease, it will generally be about 10 days after the actual vaccination before the sheep develops a satisfactory resistance to the This means that, when a farmer waits until he actually experiences losses before vaccinating, he will still have the extra time of the negative phase to contend with, and losses may continue for anything up to as long as 10 days after vaccinating. If on the other hand he takes the precaution of vaccinating a short time before the disease can be expected to occur, losses during the negative phase will be avoided

Milk Fever is another condition to which the principle of prevention can be applied. In most herds, some of the best producing cows will be known to get Milk Fever regularly at each calving. The preventative measure here is to inject Calcijec as near as practicable to the time of calving, usually about 12 to 24 hours before the cow is expected to calve. This will often enable a

farmer to keep the susceptible cow on her feet. Under armer to keep the susceptible cow on her feet. Under these circumstances, the chances of an uneventful recovery are much better than when treatment is commenced only after the animal has been down.

Another factor which is of great importance in treating stock diseases is the value of early treatment, and again in the treatment of Milk Fever this is very strikingly illustrated. If

again in the treatment of Milk rever this is very strik-ingly illustrated. If treatment is commenced without any delay as soon as symptoms are first observed, the chances of a satisfactory recovery are greatly increased. On the other hand, if a cow is down with Milk Fever for any length of time, complications may set in. For for any length of time, complications may set in. For example, a spinal injury while struggling to get up, leading to spinal paralysis or chill and pneumonia from exposure. The result is a condition which is much more difficult to treat than the original Milk Fever.

The same thing applies to Foot Rot in cattle. Again, if treatment is delayed, the condition becomes complicated by the inflammatory changes which develop in

the foot, and also from contamination producing secondary germ infections. The result is an infected foot the foot, and also from contamination producing secondary germ infections. The result is an infected foot which does not respond so readily, possibly because the secondary infections are not susceptible to sulphonamide treatment. On the other hand, if treatment is commenced with Sulphajec at the first sign of symptoms when there is only a simple infection to deal with, it can be safely said that about 80 per cent. of cases respond entirefactively within 24 hours.

respond satisfactorily within 24 hours.

In treating cattle with Sulphonamides and, in fact, in general treatment with antibiotics also, a substantial initial dose is very important. The official dose rate in the British Veterinary Codex for Sulphadimidine Sodium for all species of animals is an initial dose of 0.2 gramme per kg., followed by a maintenance dose of 0.1 gramme per kg. daily. This means that for a beef cow or a dairy cow of the larger breeds such as Shorthorns and Frie-sians at least 150 to 200 c.c. of the standard 33 % per cent. injection of Sulphadimidine Sodium should be given as an initial dose.

as an initial dose.

The importance of preventative treatment and the value of the phrase, "prevention is better than cure," seems to me to be a matter of particular interest to pharmaceutical chemists, because by impressing this line of thought on their clients, they are not acting in any way which is contrary to the interests of any other professional group, and further, their advice can result in corrections of the property and the financial savings to their clients. The very considerable financial savings to their clients. The value of early treatment also is a matter which seems

pharmacy cannot stress too often.

Another factor of very great importance in dealing with stock diseases is the value of professionally trained assistance in diagnosis. The post-mortem mentioned at the commencement of this article provides an interesting illustration in this regard. The sheep owner concerned had actually intended to drench his flock with Phenothiazine, because on a previous occasion some of his sheep were affected with stomach worm and after conducting a post-mortem on one of them, I recommended the use of Phenothiazine. He concluded wrongly that, because Phenothiazine has been the drench to use before, it would be the drench to use under the present circumstances. The post-mortem revealing Liver Fluke showed how incorrect he was, as Phenothiazine alone is of no value whatever in treating Liver Fluke, and the most effective preparation undoubtedly is Carbon Tetrachloride, which he promptly used on my recommendation.

If pharmaceutical chemists will bear in mind the value of the services of the veterinarian in ensuring a correct diagnosis, this will not only be in the interest of their clients, but also can do much to improve rela-

tions between the two professions.

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Aldous Huxley and the Tranquillisers

By Paul A. Doyle*

An Interesting Article on a Topical Subject Published in the "American Journal of Pharmacy" (March, 1958).

Of all his many books, Aldous Huxley's "Brave New World" seems to enjoy the most popularity and timelessness. Certainly, it is one of the greatest and most significant twentieth century novels. Huxley's satirical picture of a future world in which science has solved all human problems is sardonically grim and stirring and, yet, delightfully amusing. The stern totalitarianism, the scientific caste system, the test-tube babies, and even the electro-magnetic golf courses are unforgettable in their stark vividness. Also unforgettable as a feature of the "brave new world" is soma.

Huxley, who is immensely learned and well-read, first encountered the idea of soma in his study of Far Eastern Indian mysticism. In the lore of the East, soma had two meanings. First, it was one of the most powerful of the old Vedic deities, a sort of Hindu Bacchus. Secondly, soma also had the meaning of a mysterious drink made by the Indian priests and drunk by the Brahmins as well as offered as libations to their gods.

In the "brave new world," something was needed to prevent the people from becoming depressed and despondent by the manifold problems in life. At first, morphine and cocaine were used. The State, however, was not satisfied with these drugs, so it subsidised two thousand pharmacologists and biochemists to create a superior drug. Six years later, soma was being produced commercially—a perfect drug: "euphoric, narcotic, pleasantly hallucinant . . . half a gramme for a half-holiday, a gramme for a weekend," and so forth. Soma became a sort of pharmaceutical vade mecum in the "brave new world." Everyone carried his own bottle of soma. In addition, it was served with coffee in restaurants. Ice cream soma bars existed, and the police riot squad had a soma vaporiser which quelled pandemonium and restored tranquillity.

When the 1946 edition of "Brave New World" appeared, Huxley wrote a special preface in which he discussed the future in relation to his predictions of 1932, the year his famous satire was first published. As a man with a vast scientific background who follows the developments of science closely, Dr. Huxley hinted that, perhaps, his prediction of soma was not so farfetched after all.

In 1954, Huxley published a book called "The Doors of Perception." This treatise was a true story of the effects of mescalin. At the beginning of this book, Huxley traced much of the scholarly material on this drug. This material really originated in 1886 when the German pharmacologist, Ludwig Lewin, published the first systematic study of the cactus. Mescalin, however, had been known and used for centuries by the Indians of Mexico and the American Southwest as a stimulant and antispasmodic. Since the work of Lewin, mescalin research has been going on sporadically. Chemists have learned how to synthesise the drug; consequently, the supply no longer depends on the meagre crop of desert cactus. Neurologists, physiologists and psychologists have also studied the drug and its effects. Recently, it has been observed that there is a close similarity between mescalin and adrenalin in chemical composition. Also, it was discovered that adrenochrome, which

is a product of the decomposition of adrenalin, can produce many symptoms characteristic of mescalin. The complete and exact relationship between adrenalin and mescalin is being probed still further.

One of the scientific investigators of mescalin asked Dr. Huxley to serve as a human guinea pig. Thus, in May, 1953, Huxley "swallowed four-tenths of a gram of mescalin dissolved in half a glass of water and sat down to wait for the results."

As is well known, the brain is equipped with enzymes, some of which regulate the supply of glucose to the brain cells. Mescalin appears to inhibit the production of these enzymes and, hence, it lowers the amount of glucose available. As a result, although the intellect remains unimpaired, the will undergoes a lethargic paralysation. The mescalin-taker has no desire to act. He wishes to think, to contemplate. He has no interest in human relations and necessary duties. Apparently, though, mescalin has no derogatory effect on the average individual. The "reasonably healthy person knows in advance that, so far as he is concerned, mescalin is completely innocuous, that its effects will pass off after eight or ten hours, leaving no hangover and consequently no craving for a renewal of the dose."

In "The Doors of Perception" Huxley describes mescalin's effect on him. In all but one way—which need not be treated here—his reaction to the drug was similar to that of others who have taken it to assist scientific research. Huxley's perception of vividly brilliant colours, his perception of the significance of contemplation, and other effects under the influence of mescalin, make fascinating reading—but his conclusion is of more immediate interest for our purposes.

Suppose, suggests Huxley, a drug on the order of mescalin could be developed which could be used to relieve and cure alcoholism, the misuse of drugs, and other diseases and habits of a similar nature. In fact, this harmless drug might be a safe substitute for excesses which are severely injurious to mankind. We may well contemplate at some length the implications of this point. Mescalin is not the ideal drug for this purpose because: (1) it causes some people to have unpleasant visions and thoughts, and (2) its effects last from eight to ten hours, which for some people would be an inconveniently long time. But, as Huxley concludes, it is conceivable—not a certitude—that chemists and neurologists and pharmacologists may in time discover the ideal drug.

In two lectures delivered in New York City this year—one at the Manhattan Poetry Centre, the other at the New York Academy of Sciences—and, slightly in his book "Heaven and Hell," Dr. Huxley has enlarged upon the conclusion of "The Doors of Perception." He feels that tranquillisers, now among commonly prescribed drugs, will be more revolutionary than achievements in nuclear physics. Obviously, of course, much research must be done on tranquillisers in the future, but considerable investigation is already under way. Two items may be noted of many which could be cited in this connection.

We have all read of the successful use of tranquillisers for some patients in mental hospitals. In a recent Public Health Service monograph, Dr. Morton Kramer, chief of the biometrics branch, National Institute of

^{*} Assistant Professor, Fordham University, College of

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Mental Health, noted that the drugs chlorpromazine and reserpine were significant because of their ability to reduce motor activity, disturbed behaviour, tension, and anxiety without producing sleep. Yet, some adverse effects are known to result from certain tranquillisers; for example, automobile driving skills are unfavourably affected by meprobamate. Determining the safety of these behaviour drugs presents scientific research with a vital and extremely important task.

Since heart weakness and disease are so rampant in modern life, any drug which could aid or alleviate this common bane would be an outstanding contribution to national health. Tests have already been begun to determine if certain drugs can control high blood pressure, prevent heart attacks, hardening of the arteries, and strokes. Among the drugs now being studied and tested in this connection is the tranquilliser, reserpine.

In the near future, the pharmacy curriculum will be lengthened to a total of five years. This step is being taken, in part, to broaden the background and increase the knowledge of the pharmacy student. We, as educators of prospective pharmacists, must always attempt to correlate the relationship between the profession of pharmacy and life in its many phases and aspects. We must present pharmacy to the student not just from the retail point of view, but from its impact on health, research, and long-range thinking. Pharmacy is not parochial; it is universal, and the student should be taught to think of it in its far-reaching and total aspects. Pharmacy needs students, teachers, and practitioners of vision. It must be aware of allied phases of thinking and knowledge. The Aldous Huxley popularisation of and experiment in tranquillisers is an illustration to the point. In an age which has seen the development of drugs which we correctly label "miracle" and "wonder," Huxley's ideas have considerable importance and not without logic. In 1932, soma in the "brave new world" was a fanciful, satiric suggestion but, in the future atomic world, soma may become a worth-while, salutary reality.

IMPROVED HEALTH STANDARDS

International Gains in Longevity

The 10th anniversary of the World Health Organisation, which is being celebrated in May of this year, serves to focus attention on the worldwide progress that has been made recently in lengthening the average lifetime.

The expectation of life at birth has increased appreciably throughout the world, the gains generally being largest in the countries which formerly had the least favourable record. In Puerto Rico, for example, the average length of life had increased more than 22 years in a 15-year period—from 46.0 years in 1939-41 to 68.3 years in 1955. Even more dramatic has been the experience in Ceylon, where the expectation of life at birth rose from 42.8 years in 1946 to 59.9 years in 1954, an increase of 17 years in only an eight-year period. Mexico, Brazil and Thailand have also scored marked gains, which have amounted to about one year annually. India, however, is a notable exception to the general pattern, having increased its expectation of life at birth only about a quarter of a year annually. This is little more than the improvement in Australia and New Zealand, which have long ranked among the leading countries with respect to longevity.

Although international differences in longevity have

Although international differences in longevity have diminished in recent years, a wide gap continues to exist between the industrialised and the less-developed countries. According to the latest data available, the expectation of life at birth varies from a low of 32.1 years in India (1941-50) to a high of 72.5 years in the Netherlands (1953-55). Other outstanding records are 72.0 years for Sweden in 1951-55 and 71.0 years for Norway in 1946-50. Close behind follow Israel, England, New Zealand, the United States (whites), and Canada, in each of which the figure now exceeds the Biblical three score and ten.

At the other extreme are a number of countries in which the average length of life is still deplorably low by our standards. In such widely separated areas as Greenland and the Belgian Congo the average is not much higher than it is in India. Some Central and South American countries also make a poor showing. Data on longevity are lacking for large areas of Asia and Africa, but it is probable that the expectation of life at birth there is generally low.

For the Soviet Union the average length of life is reported as 64 years for 1954-55, or the same as that in the United States a decade and a half earlier. Czechoslovakia shows a similar experience. East Germany and Hungary have an appreciably better record than the Soviet Union, but Poland's is not as good. The expectation of life at birth in Yugoslavia was only 56.3 years in 1950.

Females enjoy a longer life than males in practically every country. Their advantage ranges from less than two and a half years in Venezuela, Denmark and the Belgian Congo to more than six years in the United States, Brazil, Finland and France. However, in Guatemala, Ceylon and India a newborn baby girl may expect to live a fraction of a year less than a baby boy. Almost everywhere, the expectation of life at birth has increased more rapidly for females than for males, thereby widening the sex difference.

Great strides have recently been made throughout the world in raising standards of nutrition, improving sanitary conditions, and developing better methods of controlling disease. The introduction of penicillin and other antibiotics, the widespread use of vaccines, better diagnosis and treatment of illness, additional hospital facilities, better child and maternal care, advances in surgery, and the spraying of large areas with insecticides have all contributed to lengthening the average lifetime. So favourable an environment has been created in the English-speaking countries and in Western Europe, that the babies born there now have excellent prospects of celebrating a 70th birthday. It appears likely that within a few decades an increasing number of underdeveloped areas will approximate, if not match, this achievement. The World Health Organisation, which has many accomplishments to its credit during its first ten years, will undoubtedly play an important part in the attainment of this goal.—Extract from "Statistical Bulletin," April, 1958.

MIND OVER MATTER

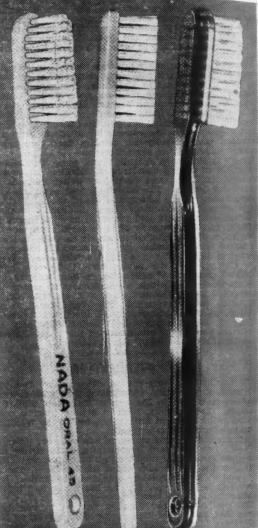
We medical students are sometimes more familiar with current theoretical speculations than with current practical treatment in the wards. Take tab. nihil. for example. Theoretically, nihil is a pure placebo containing nothing except milk sugar, but in the wards it is quite effective therapeutically.

is quite effective therapeutically.

Patients complaining of severe headache are given it with the advice: "Here is something extra strong for you—just take half a tablet, on no account more!" The next day the doctor asks about the headache, and is told that it has completely subsided: the patient has never felt better in his life, he has never had better

treatment, has never met a cleverer doctor My preliminary investigation of the phenomenon shows that, because of their supposed superpotency, the tablets are in fact rarely if ever taken by the patient. He feels a little uneasy about this, and, to avoid further troubles with his conscience, tries to persuade the doctor that the tablets had such a splendid effect that no further treatment is necessary. My next step is going to be a redouble blind check. One group of patients will be given therapeutically active tablets and told they are a placebo, while the controls will get a placebo which they are told is therapeutically active; a second control group will get a placebo which they are told is a placebo. Indeed, one of these days I am going to put myself on a course of normal saline injections to cut my chain-smoking. In our wards normal saline has repeatedly been proved almost as effective as lobeline, and it has no side-effects.—"The Lancet."

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NOSCAPINE (Narcotine)

Noscapine is the name recently adopted by the American Medical Association, the U.S. Bureau of Narcotics, and the U.S. National Research Council Committee on Drug Addiction in place of narcotine. The reason for the change is that the name "narcotine" wrongly implies that the drug possesses narcotic properties.

Recent research has shown that Noscapine has a specific depressant action on the cough reflex, stimulates the respiratory centre, and exerts a mild bronchodilator effect, although it had earlier been thought to be pharmacologically inert.

Noscapine is an opium alkaloid, but is not related chemically or pharmacologically to morphine or its derivatives. It is not a drug of addiction, and as it does not produce narcosis, euphoria, or analgesia, it does not lead to habituation even after prolonged administration.

As a cough inhibitor Noscapine is regarded as being equally effective as codeine, but without the latter's constipating and bronchoconstricting effects. The mild bronchodilating effect of Noscapine permits the administration of the drug in cases of asthma.

Noscapine is also devoid of side effects and does not raise blood pressure.

The average adult dose of Noscapine is 25 mg. every 2 or 3 hours.

Children (5-14): Half the adult dose.

A linctus and lozenge containing Noscapine is available on the Australian market under the name of COSCOPIN (Evans Medical).

In England Nicholas market a preparation containing Noscapine under the name of Nicolane.

Australia's Oldest Pharmacies

The quest by Addis (Aust.) Pty. Ltd. for the oldest pharmacy in each State attracted much interest and brought into light historical details of early Australian pharmacies worthy of recording in some permanent form.
We are indebted to Addis for the following notes sup-

plied to us for publication:-

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Freeman Chemists of Adelaide, South Australia, established in 1840, now conducted by Mr. J. C. Freeman.

McCarthy Pty. Ltd., Hunter Street, Sydney, established in 1853, now conducted by Mr. A. Foster.

Well's Pharmacy, Kyneton, Victoria, established in 1855, now conducted by Mr. David T. Wells, great-grand-

son of the founder.

E. R. Row Pharmacy, Rockhampton, Queensland, established in 1862, now conducted by Mr. J. P. Gordon.
Alan McWaters Pharmacy, of Guildford, Western Aus-

tralia, established in 1894.

Other pharmacies in various States have earlier histories, but due to town planning or changes of ownership, have moved their businesses to other sites. Then ame over the shop in some instances is not significant, but all these shops have been conducted continuously as pharmacies, some under many ownerships.

It has been interesting to note from the early histories that the apothecary evidently followed very closely on the heels of town development, to look after the aches and pains of the settlers. In many cases he was also the dentist, as well as taking care of the optical and hearing deficiencies of his cus-

Old prescription books which have been old prescription books which have been gathering dust for years reveal that purging, poulticing, blistering and bleeding was the order of the day. In the light of present-day knowledge this is pathetic, but at a time when fully-qualified medical practitioners were so few, these apothecaries were looked on as "medical men." Each apothecary had his away leech appropriate. his own leech aquarium.

Tasmania

Hatton & Laws, of Launceston, which took its present name in 1855, was established on its present site by Michael Bates in 1825. Mr. Charles O. Holmes, recently retired from the business, said in a letter to Addis—"In Allen and Hanbury's history of their business." ness, mention is made of a shipment of goods from England to Michael Bates in 1835."
Mr. C. O. Holmes' father became a partner in the business with Mr. J. W. Laws in 1879, on the retirement of Mr. J. D. Hatton. On the death of Mr. F. Holmes in 1916, the business was left to his three sons, Mr. L. A. Holmes (died 1926), Mr. F. T. Holmes (retired 1952) and Mr. C. O. Holmes, who recently sold the business to his nephew, Mr. F. H. Atherton.

South Australia

Freeman Chemists, situated in the Theatre Royal Buildings, was originally established by Mr. A. M. Bickford in 1840. Bickford Chemists now trade as D.H.A. (S.A.) on a wholesale basis.

Another early business in South Australia is that of Birks-Chemists, of Rundle Street, founded by Mr. G. N. Birks in 1876. Mr. Birks received his training with Mr.

Faulding, of Rundle Street, which later became F. H. Faulding & Co. Ltd., wholesale chemists.

An old diary dated 1861 reveals that Mr. Birks opened a business in Wallaroo. An extract from the diary indicates that he had all kinds of difficulties getting himself "I received a letter from Mr. Faulding last Saturday which decided me . . . unfortunately I cannot get my cases under cover as I have neither tent, tarpaulin or boards . . . at least I can say I am among my traps now in Jayres' tent . . . 9 x 7 . . . sleep here . . . I commenced operations Friday last and have now nearly finished the weatherboards . . . tomorrow we hope to get the roof frame up."

In 1862 Mr. Birks opened a pharmacy at Kadina, which was evidently more successful than Wallaroo, and the following year he took his brother into partnership. In 1875 the brothers went to Adelaide and took over a business in Rundle Street, moving to the present site in

In South Australia it has been revealed that many chemists had association with one another in the past. One business with roots back in 1844 is that of James



Winning chemists from all States in the Commonwealth who submitted details of early histories of their businesses in the quest for the oldest chemist shop, conducted by Addis (Aust) Pty. Ltd., met in Sydney recently as guests of Mr. H. C. Nankervis, Managing Director for Addis.

During a tour of the Addis factory the intricacies of the moulding process were explained by Mr. Nankervis.

From left to right: Mr. J. C. Freeman (Freeman Chemists, Adelaide, S.A.); Mr. C. H. South (Sales Manager for Addis); Mr. F. H. Atherton (Hatton & Laws Pharmacy, Launceston, Tas.); Mr. David T. Wells (Kyneton, Victoria); Mr. Alan McWaters (Guildford, W.A.); Mr. H. C. Nankervis (Managing Director for Addis); Mr. A. Foster (McCarthy's Pharmacy, Hunter Street, Sydney).

Not among the group is Queensland's winner, Mr. J. S. Gordon, of Rockhampton.

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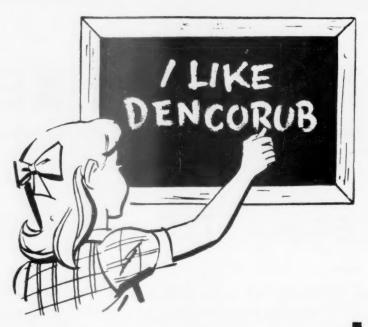
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G. Cacas, of Hindley Street, Adelaide. It was originally established on the opposite side of the road by Mr. William Paxton in 1844, which property is now owned by Freeman Chemists. The pharmacy of F. I. and W. E. Smith & Son, of Kapunda, was established in or before 1866, proved by an advertisement in the oldest copy of the Kapunda "Herald" on file, and it is fairly certain that this is the very same business founded by Mr. Birks as early as 1862.

New South Wales

McCarthy's pharmacy of Hunter Street, Sydney, appears to have had an unruffled history since it was established in 1853. Other pharmacies have still earlier histories, but have moved from their original sites. Seniors was established in 1835. R. L. Frew Pharmacy of 94 William Street, was founded at 130 William Street, in 1860 or 1861, by Mr. Frederick Bozon, who was one of those present at the inaugural meeting of the Pharmaceutical Society of N.S.W. on June 6, 1876. His business was purchased by Mr. T. B. Melhuish, who sold to Mr. H. J. Parker in the 1890's. Mr. Parker moved to the corner on the city side of Bourke Street, and when W. H. Soul bought the premises about 30 years ago, Mr. Parker was forced to move to the present site.

Another early business is that of John Watson, of George Street, founded on another George Street site

In the country there are several very old pharmacies. Smith's pharmacy in Dubbo can be traced back to Mr. William Oliver, who established the business in 1871, while Mallam's, in Armidale, has been owned by the one family for over 100 years

one family for over 100 years.

Solomon's pharmacy in Woolahra has been on the same site since 1874 and has a prescription book back to that date.

The very early days of pharmacy in Australia are practically unknown. The work of compounding medicines was commonly done by junior medical officers assisted by naval petty officers. In the early Sydney days is was the custom for doctors to own "dispensaries" and these were the forerunners of the chemist shops of today. Dr. George Robinson Elliott had his dispensary at the corner of Bridge and George Streets, where his brother, Frederick William Elliott, was in charge. From this small beginning sprang one of the largest wholesale drug houses in Australia.

Because of the lack of adequate supervision of druggists' credentials in the early days of the colony, one John Tawell was able to make a considerable fortune because of his knowledge of apothecary's practice, picked up when a commercial traveller in England.

Sent out to the penal colony on a charge of forgery in 1814, he was released in the 1820's and assumed a mask of respectability, temperance and quiet gentlemanly behaviour. His shop in Pitt Street prospered and when his wife died of a fatal illness, he took as mistress the nurse who had attended her. In 1829 he sold the business for the princely sum of £14,000 and returned to England.

However, about 1845 he poisoned his by then undesirable mistress with prussic acid and was caught up with and hanged, which shocked Sydney and left this peculiar item on Sydney's pharmacy history.

But on the whole, the early business dealings of druggists were quiet and respectable. Abraham Foss, who took over Tawell's business in Pitt Street, sold horse and cattle medicines and some druggists undertook to make up family recipes.

Victoria

Well's pharmacy, in Kyneton, was given the laurels as the oldest chemist shop in Victoria. It was established by Mr. J. J. Wells in February 1855, moving into the present premises early in 1857. It is unique because the present owner, Mr. David T. Wells, is the fourth generation of the same family to conduct the pharmacy business continuously in the same building.

A close second is Martin Malone's pharmacy in Kew, also established in 1857 by Mr. F. Barnard, who published a book on the history of Kew in 1910. An advertisement taken from this book says, "Kewites, Be Patriotic. Patronise home-made products. BARNARD'S COUGH BALSAM AND BARNARD'S COUGH CURE are two leading lines, procurable in 1/- bottles . . ."

Hood & Co., of Melbourne, was established in 1840. There are records that Mr. John Hood was at a Collins Street address in 1850; the next evidence is of an Elizabeth Street address in a price list dated 1867.

Records show that the Henshall family have been in the pharmacy business in Victoria for over a hundred years. Addis received letters from descendants, Mr. H. C. B. Henshall, of South Melbourne, and Mr. Charlie K. Henshall, of Wangaratta. The South Melbourne business was founded in 1855 by Charles Lorimer, but the continuity of pharmacy trading was disturbed early this century, when the chemist, Mr. E. Baker, moved two doors away and the premises became the Bank of Victoria, and later a boot shop. Eventually the late Mr. S. H. Henshall purchased the business and moved back to the old premises in 1937. This business is now carried on by his son, Mr. H. C. B. Henshall.

Mr. Charlie K. Henshall, who has a pharmacy in Wangaratta, has prescription books dating back to 1862. The business was then conducted by a Mrs. Rundle, who established it in 1857, but there are no official records available back to this date. Mr. Henshall wrote, "Should you be interested, I could post you the 1852 prescription book as I do not use it, because most of the people whose prescriptions are in this book do not need the medicine now. They have either been cured or have gone on!"

now. They have either been cured or have gone on!" Mr. Dahlenburg, of Nhill, whose business was established in 1887, still has the original prescription book, together with stock and takings for the first eight months of operation. Brushes and toothbrushes are included on this, which must have been made by Addis, as well as horn scoops which are still being used. Another interesting item listed is 50 cigars 10/-.

Queensland

Mr. E. R. Row put up his sign in Rockhampton in 1862. The business was taken over by Mr. J. P. J. Gordon in the early 1900's and later passed on to his son and daughter, Mr. J. S. Gordon and Miss D. C. Gordon. Carrying on the tradition of women in the business, Mr. Gordon's daughter is now apprenticed to her father and is doing her second year of the pharmacy correspondence course this year.

An early advertisement in the Rockhampton press by E. R. Row back about 1867 offers opium at 4/6 per pound. Among the prescriptions in the files Miss Gordon found an old prescription for an embalming fluid.

found an old prescription for an embalming fluid.

W. A. Nobel & Gegg, of Toowoomba, was opened as a chemist shop by Mr. Wonderley in 1864. Mr. Nobel purchased the business in 1883. The present owner, Mr. Gegg served the first year of his apprenticeship under Mr. Nobel, taking over the whole of the business in 1938 from Mr. Sinnamon, who later studied medicine. This business has now developed into one of the largest pharmacies in Toowoomba.

Mr. Gegg still has in his possession relics of the very old days, including ear horns, old dental instruments, and optical equipment originally owned by Mr. Nobel, who was recognised in the old days as a surgeon dentist as well as an apothecary.

Moses Ward & Sons, of Queen Street, Brisbane, was established in the Valley in 1862 by Moses Ward, and moved to the present site in the eighties. Mr. R. M. Ward is the third generation to control this business.

I. J. C. Woodward, of Townsville, was established in 1885 by Mr. Cromwell Ridgley, who came out from England at the request of his brother, Dr. Thomas Ridgley, to open a pharmacy on its present site. Mr. W. H. Green, of Southport, served his apprenticeship under Mr. Ridgley, and afterwards bought him out. Mr. Woodward, who served his apprenticeship at another branch of W. H. Green Ltd., in Townsville, bought the original business in 1926, which has meant unbroken tenancy as a pharmacy from 1885.

The pharmacy of Geo. W. Eedy, in Toowong, was evidently established before 1880, but records are hazy about the early owner. A prescription book dating back to 1880 has been preserved as a curio.

Western Australia

In Western Australia the earliest established shop to enter the Addis quest is that of Alan McWaters, of Guildford, established by Mr. J. H. Tindale in 1894. Mr. Tindale came originally from Newcastle, England, and after spending some time as a dispenser for Dr. Stewart. in Guildford, branched out on his own in 1894. His name

is still standing in cement lettering over the premises now occupied by Mr. McWaters.

Mr. Tindale was killed only two years ago, when a car knocked him down in front of the very shop he founded. His number in the register of the Pharmacy

Council of Western Australia was No. 18.

Other pharmacies had been established much earlier,

but have not been used continuously as such. A Mr. G. Shenton had an apothecary business at the corner of Hay and William Streets, Perth, as early as 1838. During an interview with Mr. H. C. Nankervis, Managing Director of Addis, he said, "It is almost certain that our company has been associated with all these early pharmacies, as we made the world's first toothbrush back in 1780, and we know from past records that these toothbrushes were sent to Australia from England as far back as the first settlement. We had great pleasure in tracing our early connections when as guests of the Addis Company the winners recently visited Sydney."

SKILFUL BLENDING OF OLD AND NEW IN MEDICAL TEACHING

How the London School of Hygiene and Tropical Medicine Developed and Became Part of London University

By Professor A. Bradford Hill, of the London School of Hygiene and Tropical Medicine, where he is Professor of Medical Statistics.

On May 12 Queen Elizabeth the Queen Mother, as Chancellor of the University of London, presided at a dinner commemorating the centenary of the grant of a charter which gave graduates of the University a place in its constitution. This was the highlight of a number of functions arranged by Convocation—which consists of more than 35,000 registered graduates of the University.

The London School of Hygiene and Tropical Medicine holds a position unique in Britain's universities. It is the only institution devoted entirely to the advance-ment, by teaching and research, of the public health and to the application of hygiene and preventive medi-cine to the conditions of life in both temperate and

tropical climates.

Its origin in the 1920's lay in a skilful blending of the old and new. On the one hand was the concept, the old and new. the old and new. On the one hand was the concept, yet to be brought to fruition, of an institute of preventive medicine; on the other lay the London School of Tropical Medicine established by Sir Patrick Manson in 1899, and already made famous by him and his many distinguished fellow-workers.

Need for a Single School
For many years the Board of Studies in Hygiene of
the University of London had emphasised the need for
a single school responsible for the post-graduate teaching of hygiene, a school to replace a system whereby
"candidates for the Diploma in Public Health worked at ten different centres and demanded part-time ser-vice from 44 lecturers and demonstrators." Apart from problems of teaching, it is obvious that in such circumstances the difficulties of research into the subject

must have been profound.

In 1921 the Athlone Committee, concerned with the needs for post-graduate medical study and ways of meeting them, had recommended the establishment of an Institute of State Medicine within the University of London. It was at this juncture that the Rockefeller Foundation characteristically stepped upon the scene with an offer of 2,000,000 dollars (worth at that time some £400,000) for the building and equipment of a school of hygiene and public health in London. apparent from the start that it was the intention of the recipients of this princely gift to include within the scope of the new school's work the maintenance of health and the prevention of disease in every kind of environment. Tropical medicine and hygiene was to be an integral part. Thus it was that the London School of Tropical Medicine, founded in the Albert Docks and later situated in Endsleigh Gardens, was amalgamated with the new institution to create the London School of Hygiene and Tropical Medicine.

The School, situated in Keppel Street in the shadow of the University of London School of the School, situated in Keppel Street in the shadow

of the University of London, Senate House, was formally opened by King Edward VIII, then Prince of Wales, on July 18, 1929. A few years later a further change in its constitution was marked by the incorporation within it of the Ross Institute of Tropical Hygiene. This Institute, founded to honour Sir Ronald Ross, became a department of the School, responsible for the teaching and research in tropical hygiene, at the same time retaining many of its overseas functions in the support of health in industry, and still maintained partly by voluntary contributions from in-

dustry.

Since 1951, by arrangement with University College Hospital, accommodation has been made available to the School's Professor of Clinical Tropical Medicine at the nearby Hospital for Tropical Diseases in St. Pancras. Thus teaching and research at the bedside are ensured. The School also possesses a field station at Winches Farm, near St. Albans, some 20 miles from Lenden. London.

Cosmopolitan Atmosphere and Interests

The students of the School are drawn from every part of the world and, indeed, the cosmopolitan atmosphere and interests of the School are among its most striking characteristics. The great majority of these students (nearly all medically qualified) seek training in the principles and practice of social and preventive striking characteristics. medicine

For this purpose they follow one or other of the School's two main courses of instruction, the one leading to the University's Diploma in Public Health and the other to the Diploma in Tropical Medicine and Hygiene of the Conjoint Board of the Royal Colleges of Physicians and Surgeons. There are many others, however, who come to be specially trained in bacteriology and immunology, in medical statistics and epidemiology, in applied parasitology and entomology, in industrial health, or in human nutrition.

In addition the School has links with the Imperial College of Science for the teaching of multic health

College of Science for the teaching of public health engineering and with some of the London medical col-leges (in particular Guy's Hospital and the Royal Free Hospital) for the introduction of the concepts of preventive medicine into undergraduate medical education. As a centre of research it attracts many students for higher degrees. It is, as its interests clearly demand, a School in the University's Faculties of both Medicine

and Science.

The London School of Hygiene and Tropical Medi-cine now has the experience of nearly 30 years behind In those years it has built up a staff whose advice and guidance in its special province of preventive medicine are being constantly sought, not only within the University but nationally and internationally. That prevention is better than cure is an old saying, but one to which, more often than not, merely lip service is paid. In this School of the University of London the principle is constantly made manifest by teaching and advanced continuously by research.—U.K. Information



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The Women's Section

Correspondent: Miss A. K. Anderson

We are launching an appeal to finance a memorial to the first Federal President, and Past President of the Victorian Association, the late Miss Freda Smalley.

The excellent work Miss Smalley did for pharmacy in general and women in pharmacy in particular is well appreciated by us all. The Women Pharmaceutical Chemists' Association of Victoria have been asked to furnish a women students' lounge room in the new Victorian Pharmacy College building, and we feel this a fitting place to have some permanent recognition of her services to pharmacy. The idea of this memorial is prompted by the thought that the many friends of Miss Smalley would appreciate an opportunity of participating in a gesture to her memory. Donations may be sent to the Hon. Treasurer, Miss R. MacGillivray, Buckley street, Essendon.

THE WOMEN PHARMACEUTICAL CHEMISTS' ASSOCIATION OF VICTORIA

As usual, because of the very cold weather, our Association holds no monthly meetings in July.

Early in the month the new Committee entertained the retiring members of the Committee at a dinner party at the Ritz, the guests of honour being Mrs. Ross Carter, Miss Gwenda Bethell and Miss Margaret Murrell.

At our August meeting the guest speaker will be Sister Margaret Gale, sister in charge of the newly-formed spinal unit at the Austin Hospital.

Sister Gale, who has recently returned from a trip abroad, will speak on the latest overseas treatment and care of paraplegics. This should be a most interesting and instructive talk.

THE ASSOCIATION OF WOMEN PHARMACEUTICAL CHEMISTS OF NEW SOUTH WALES

A social evening at the home of Miss A. Belinfante took the place of our regular monthly meeting. Miss Belinfante and her sisters, who provided their Bronte home, were our hostesses for the evening.

General business was waived while we relaxed in favour of a games evening. There were many prizes to be won in attractive and competitive games of skill.

Drug Houses of Australia (N.S.W.) Pty. Ltd. generously donated a set of colourful travelling beakers. These were raffled later in the evening as a preliminary to a welcome and delightful supper.

As the evening drew to a successful conclusion all present voted this evening's entertainment one of the highlights of the year.

THE WEST AUSTRALIAN WOMEN PHARMACISTS' ASSOCIATION

Our July meeting took the form of a film evening held at the Ampol Theatrette in Adelaide terrace.

It was our charity effort for the year, and over £40 was raised for the Braille Society.

Prize packets were sold, a raffle was held and lucky numbers distributed.

A delightful savoury supper was served, and everyone present voted the evening a huge success, both socially and financially.

PHARMACISTS AND TV ADVERTISING

The Advertising Advisory Committee of the Independent Television Authority has ruled that in television advertising it should not appear that a pharmacist is recommending medicines and treatments of even products claimed to be "beneficial in case of illness."

The decision is unquestionably right. The public must be protected against supposing that a product is recommended with the backing of a profession, and the Authority has recognised that the practice of pharmacy in shops has at any rate a professional element.

The question inevitably arises at the present time how the ruling will affect the proposed extension of the National Pharmaceutical Union's present television advertising scheme to the medicinal field.

A final answer would, of course, depend upon the form that such an advertising scheme might take. If a manufacturer were footing a part of the bill, his product or products would be expected to appear in the advertisements, and the "pharmacist," if he appeared in the programme, would certainly not be there to disparage the manufacturer's wares. Even his presence would be a tacit recommendation.

A question of principle is involved. One of the marks of a profession is personal service between practitioner and client, and neither an individual advertiser nor any body of pharmacists acting collectively should sophisticate that relationship by the kind of advertising which makes it appear that a "pharmacist," symbolising pharmacists in general, is recommending a product to all and sundry.

Other aspects of the question are (1) whether such advertising is going to redound to the long-term good of pharmacy if, within the retail side, sections were competing with one another for the public's patronage, each making or implying that it provides better service (perhaps even cheaper goods), and (2) what happens when pharmacies are not the only outlet for pharmaceutical goods? May not others be prompted to retaliate?

The present campaign of the National Pharmaceutical

The present campaign of the National Pharmaceutical Union must be regarded as itself in the nature of a retaliation against a multiple concern for an advertising campaign that might have left the independent proprietor helpless to compete. There was no doubt some feeling behind it that the Ethical Committee of the Pharmaceutical Society appeared powerless to impose professional standards of the company chemists, and a direct challenge. It is possible to regard the selling of cosmetics in isolation for the pharmacist's professional work, and from that point of view the actual programme shots so far as we have seen them are harmless enough. But before the scheme is extended, as has been proposed, to the medicinal sphere, there should be much closer consideration of underlying principles and of possible repercussions that may not have been obvious at first look.—"The Chemist & Druggist."

New Books

"BULLETIN OF THE ATOMIC SCIENTISTS"

Published monthly (except July and August) by the Educational Foundation for Nuclear Science Inc., Chicago, Illinois, U.S.A.

This magazine describes itself in its subtitle as "A magazine of Science and Public Affairs," and is exactly that which it claims to be. The application of the various ramifications of atomic physics, and science in general, and the effects on the affairs of nations and men are discussed in excellent articles by scientists of the highest repute. For instance, in the edition of this Bulletin examined by the reviewer, there are articles by such men as Z. M. Bacq, Professor of Therapeutic Pathology, University of Liege, Belgium, and Chairman of the United Nations Scientific Committee for the Study of Atomic Radiations (and also co-author of "Fundamentals of Radiobiology," also reviewed); Joseph Rotblat, Professor of Physics, St. Bartholomews Hospital Medical College, London; and Walter F. Libby, a Professor in the Department of Chemistry, University of Chicago, and a Commissioner of the United States of America Atomic Energy Commission, to name only three of the authors of the seventeen articles included.

Recollection of several other editions seen from time to time confirm that the articles are usually of the same high calibre. (The edition read for review was a Special Issue titled "Radiation and Man," and may have been subject to special treatment by the editors.)

For any person interested in the way that scientific achievement is affecting current events, and for many readable reviews of scientific matters, this Bulletin is strongly recommended. The articles are designed, not for the scientific specialist, but rather for the scientific layman—people like pharmacists who have some knowledge of many basic sciences without a great deal of specific application to any particular one.

Nowadays it is frequently impossible to be well informed on matters affecting the community unless one can fully appreciate the scientific implications as well as the sociological or political ones. In the democratic system, a well informed public opinion is essential to shape intelligent public policy; fifty years ago the task of keeping abreast of achievement was not difficult, but nowadays, with science progressing so far and so fast in so many specialised fields, it is much more difficult to keep oneself well informed. Perhaps the result of this is a less intelligent public policy, and is the reason why our democracy is not as strong as it might be.

This type of publication serves therefore to fulfil a very important function—in trying to keep its subscribers well informed with articles written by scientists, expert in their own various fields, in a manner that any educated person can follow.

For every person anxious to fulfil their obligation as a citizen by keeping abreast of scientific matters, this bulletin presents a very informed point of view.—A.I.K.L.

The Quicksilver Doctor, by Kenneth Dewhurst. Pp. 192 + 12 plates. Bristol: John Wright & Sons Ltd. Price in Australia 39/3.

This is the story of the life and times of the physician and adventurer, Thomas Dover, 1662-1742, whose powder still bears his name and retains a place in the Phar-

macopoeia, and whose voyage round the world was the most successful privateering expedition in British maritime history. Amongst his famous contemporaries were Dr. Thomas Sydenham, Sir Hans Sloane, Captain William Dampier and Captain Woodes Rogers.

After intense research carried out in the British Museum, the Wellcome Historical Medical Museum, the libraries of the Royal College of Surgeons and Royal College of Physicians, much assistance from the Archivist to the City of Bristol—where Dover practised in the early years of the eighteenth century—and from the Squire of Barton-on-the-Heath, who showed him around Dover's birthplace, Kenneth Dewhurst has presented to us what could have been Thomas Dover's own interpretation of his life. The title "The Quick-silver Doctor" was chosen because the use of crude mercury became the main feature of Dover's London practice. It was by means of his book "The Ancient Physician's Legacy" that his views on the medicinal properties of crude mercury became widely known, and eventually earned him the title of The Quicksilver Doctor.

The first chapter describes the Dover family at Bartonon-the-Heath, a typical Cotswold village at the southern
extremity of Warwickshire, and it is interesting to read
later that it was to the pastoral simplicity of his native
Cotswolds that Thomas Dover, after many varied and
turbulent adventures, returned to live and die at Stanway Hall, Gloucestershire. In the second chapter the
author gives a vivid description of Oxford and Cambridge Universities, at each of which Dover had been
a resident student—the Oxford of his time undergoing
a period of transition and instability—the harsh austerity of the Commonwealth having been followed by
the laxity of the Restoration. The lull in medical
science is described as following the astonishing achievements of "The Invisible College." It was after six
years at Oxford and not long before his qualification
that Dover changed universities, and no doubt it was
the medical reputation which Caius College then enjoyed which influenced Dover to make the change. It
is interesting to read here that the Master of Caius
College at that time, Dr. Robert Brady, was a friend
of Dr. Thomas Sydenham, whose pupil Dover became
after graduating Bachelor of Medicine in 1687. In the
succeeding chapters the author pays a great tribute to
Sydenham, the most distinguished physician of his
generation.

It was during the seventeenth century that apothecaries began to prescribe medicines on their own account without seeking the advice of a physician, and here is related the great controversy which raged between physicians and apothecaries, and the development of the dispensaries. It is recorded that even 40 years after Dover had left Bristol there were practising in that city only five physicians, 19 surgeons, 13 barbersurgeons and 29 apothecaries.

Following his honorary appointment at the Bristol Hospital, Dover gradually acquired an extensive practice amongst the rich merchants and tradesmen of that leading British seaport. In 1702 he visited the West Indies, and here begins the fascinating story of Dover the adventurer. As ship's doctor and whilst ashore in these lands, he remained an acute medical observer—the author gives an interesting account of Dover's observation of small-pox, its treatment, and of inoculation against it. He became captain of a trading vessel as well as ship's doctor, and from his profitable trading ventures—he spent six years voyaging between Bristol and the Caribbean—in 1708 Thomas Dover invested over three thousand pounds in a privateering voyage. The privateering commission was granted by Prince George of Denmark, consort of Queen Anne, and Lord High Admiral of Great Britain and Ireland. This commission clearly laid down the object of the voyage, which was "to cruise on the coasts of Peru

Safe and Effective

Pholcodine and Papaverine in



a Cough Linctus for all—
and especially for children and the aged

D-H-A PHOLCOLIN

Each fluid ounce contains pholoodine gr. $\frac{1}{2}$ and papaverine sulphate gr. $\frac{1}{6}$ in a very palatable flavouring.

Pholodine is effective in controlling unproductive cough in children and in old age. It is less toxic than codeine and its side effects are also less.

Papaverine has a useful anti-spasmodic effect in bronchial spasm.

Dosage and administration:

Infants: Up to one-half teaspoonful according to age.

Children: Up to one teaspoonful according to age.

Adults: Up to two teaspoonfuls.

Three times a day and double dose at night

Pholcodine:

"Young children tolerate daily doses of 10 to 40 mgm, without side effects, and for pædiatric work pholodine would appear to be far safer than codeine."—Cooper, P., The Pharmaceutical Journal, 1954, 468.

Papaverine sulphate:

"Dose 2 to 4 gr. . . . It is said to be non-toxic in single doses up to as much as 1 gm."—Martindale, 23rd Ed., Vol. I, 792.

Distributed throughout
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PHOLCOLIN is available in

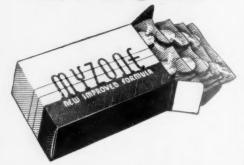
bottles of 4 and 16 fluid

ounces,

STOCK BOTH FOR SREATER PROFITS

One Sale just naturally leads to the other

MYZONE



MYZONE Sales last year continued to climb. Advertising pressure is being maintained in all States and already chemists everywhere report continuing fine results, especially when MYZONE is displayed on the counter.

Here is the natural followup to a MYZONE or sanitary product sale . . . QUEST Deodorant Powder compounded to be especially effective on sanitary napkins. Stock both MYZONE and QUEST to double your profits!



Ask your wholesaler MO



for these products

OR IF YOU **EXPERIENCE** DIFFICULTY WRITE DIRECT TO



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685 Heidelberg Road, Alphington, Vic.

and Mexico in the South Seas, against Her Majesty's enemies the French and Spaniards." Here is the answer to many of Dover's critics who accused him of being a "buccaneer," a "mountebank," a "pirate on the Spanish Main," and a "merchant adventurer."

Kenneth Dewhurst gives a very informative account of the state of maritime affairs when Queen Anne ascended the throne, and the heroic measures taken to restore the enterprise which had achieved so much during the reigns of Henry VIII and Elizabeth I. The "Prize Act" was approved by Queen Anne on March 26, 1708. It was on September 1 that the Duke and the Duchess left Cork for the Bay of Biscay, their naval escort returning when they were six days out from Ireland. As Dover was a large shareholder in the voyage which several prominent British merchants had helped to finance, and as his subsequent role was of a martial rather than a medical nature, throughout the voyage his title of doctor is discarded and he is referred to as Captain Dover.

Engagement at sea with a Spanish galleon is graphically described—the author frequently quoting from the diary of Captain Woodes Rogers. Graphic also are the accounts of the seamen and their hard, sometimes violent, lives—forced as they were to subsist for weeks together on rotten meat and rum, flogged with a ropeend, sore and bloated with scurvy and the pox, scabrous with lice and the itch. A vivid description is given of the hardships of the voyage around Cape Horn and the difficulties encountered in locating the Island of Junar Fernandez, where they arrived on the last day of January, 1709. Here follows an account of the rescue by Dover of Alexander Selkirk, a Scot, who had been alone on the island for four years after a dispute with his captain, who had left him stranded there. Rogers was amazed at Selkirk's appearance when Dover returned to the ship "with a man clothed in goat-skins, who looked wilder than the first owners of them." It was the rescue of Selkirk and his account of life on the island which provided Daniel Defoe with the germ of truth which he swelled into the great romance of Robinson Crusoe. With the intention of intercepting Spanish shipping the raiders then cruised northwards off the coast of Chili and Peru. It was not long before the Duke and the Duchess swooped on their first prey. The next chapter describes the capture of Guayaquil, then one of the important ports of Peru, and since the establishment of the independent State of Ecuador in 1811, the chief port of the latter.

After such adventures as these the reader is taken back to London, where Thomas Dover practised medicine from about 1716 until shortly before his death in 1742. But before relating the details of these 20 years or more the writer gives an account of social conditions and the medical scene in London at the time. In this chapter he draws on such eminent historians as Professor G. M. Trevelyan and Dr. Charles Singer. Epidemics of such fevers as small-pox, typhoid, typhus, relapsing fever and the ague are described—the mortality from small-pox having greatly increased. Of the notable achievements of the period the writer records the founding of Westminster Hospital and Guy's Hospital, and the introduction of inoculation—"the procuring of the small-pox by incision or inoculation, as it has for some time been practised at Constantinople."

Fashionable practice brought handsome profits and social favour to the successful physicians of the period and they lived in splendour. They were robust individualists, often flamboyant in manner, forthright in speech, and seldom missed an opportunity of tilting a lance at a colleague.

This book on Dover and his times is scholarly, beautifully written, and is recommended for its historical detail as much as for its biography of an eighteenth century physician.—I.N.

Publications Received

C.S. & I.R.O. NINTH ANNUAL REPORT

(Year ending June 30, 1957.) pp. 179. Commonwealth Government Printer, Canberra. Price 10/6.

The Ninth Annual Report of the Commonwealth Scientific and Industrial Research Organisation is a record of progress embracing scientific investigations and problems affecting many activities throughout Australia.

Much of the work undertaken by C. S. & I.R.O. is directly or, more often, indirectly linked in some way with pharmacy. Brief notes on some of the more pertinent aspects of the Commonwealth Scientific and Industrial Research Organisation's research are given here.

E.D.T.A.

Experiments carried out to study the value of ethylenediamine tetra acetic acid (E.D.T.A.) as a soil additive to assist the uptake of micronutrient metals have shown increased uptakes of copper, iron and manganese.

Vitamin B₁₂ and Cobalt Metabolism

A series of studies have been completed of the cobalt deficiency syndrome in sheep. These have entailed experimental investigations into the production of vitamin B_{12} within the rumen and the effect that cobalt concentration has upon this synthesis, the sheep's requirements of B_{12} , the influence of the cobalt concentration on the activity of microflora in the rumen and other associated problems. Many microbiological assays of tissues, blood, rumen, etc. for Vitamin B_{12} and its analogues and for folic acid have been conducted during the year.

Advances in the knowledge of the changes in the rumen flora, caused by varying the cobalt concentration, have made possible marked improvements for controlling cobalt deficiency and for protecting sheep and cattle from phalaris staggers.

Sheep and cattle confined to pastures dominated by *P. tuberosa* are subject to this nervous malady, which is frequently fatal and which, in some seasons and in certain areas, can lead to the loss of practically all stock grazed exclusively on the new growth of this plant. Earlier work has shown that a supplement of cobalt will completely protect sheep (and almost certainly cattle) from this malady.

Experimental observations in the laboratory have indicated that cobalt exerts its activity by stimulating within the rumen the growth of microorganisms capable of destroying the toxic principle of phalaris before it is absorbed into the animal. Very little cobalt is necessary, but to be effective the means of administering the supplement must ensure that the cobalt in solution within the rumen contents is kept continually above a certain concentration. Advantage has been taken of the fact that small heavy objects swallowed by ruminants do not pass through the alimentary canal, but remain either in the rumen or in the fore-stomach, the contents of which mix freely with those of the rumen. If, then, objects can be contrived which will remain in the fore-stomachs and give up to the rumen contents

sufficient cobalt (between 0.1 and 1.0 mg. Co/day) to meet all requirements of the microorganisms, the task of frequent mustering and drenching will be obviated.

A number of different types of such objects have been developed and are being subjected to experimental tests with sheep in pens and with flocks under various natural grazing conditions. One of these types of pellets consisting of approximately 5 g. of mixture of 75 per cent. cobaltic oxide and 25 per cent. china clay has been subjected to an extensive series of tests. As a result of the findings it is proposed to recommend the provisional commercial manufacture and vending of similar but denser pellets comprised of 90 per cent. cobalt and 10 per cent. china clay.

It is aimed to develop pellets that will meet the cobalt requirements of the sheep for some months, and there is every hope that this period of effectiveness can be extended for some years, if not for the natural life of the animal.

Insecticide Investigations

The nature of insect resistance to insecticides has been further studied in several strains of house fly. An important advance was the demonstration that D.D.T.-dehydrochlorinase, an enzyme which detoxifies D.D.T., is present in two strains of flies which had previously been found to be specifically resistant to D.D.T. Both strains had been derived from a non-resistant laboratory colony, one by repeated selection with D.D.T., the other by breeding only from late emerging flies without exposure to insecticide. Analyses of dosage-mortality data for successive generations of these selected strains have indicated that approximately the same level of D.D.T. resistance was attained by the two methods of selection. Enzyme activity in the two strains was also approximately the same. It is clear that some flies possess the D.D.T.-dehydrochlorinating enzyme, although neither they nor their ancestors have ever been in contact with insecticides.

Plant Alkaloids

Smith, Kline & French Laboratories of Philadelphia have made a substantial contribution to the support of research in the Division of Industrial Chemistry.

The collaborative programme has revealed a number of plant species from both Australia and New Guinea of sufficient promise to warrant further examination. Additional staff, made possible by a grant from Smith, Kline and French, are to undertake the separation of the component alkaloids from these species for chemical and pharmacological study. The Division's field botanist spent two months in the Lae-Bulolo area, collecting over 100 species and gaining experience which will be of value for future collections.

Work is continuing on the alkaloids of Alstonia constricta, other than reserpine, which give non-volatile acids (trimethoxybenzoic or trimethoxycinnamic) on hydrolysis. Despite this resemblance they do not appear to belong to the reserpine class.

The alkaloids of Kopsia langiflora appear to be of a type not previously encountered in the indole group, and attempts to establish the main skeletal structure have so far been unsuccessful. Further study of Lunasia quercifolia (previously thought to be L. amara) has revealed that the greater part of the alkaloidal material consists of water-soluble bases susceptible to attack by alkali. They are thus converted to water-insoluble weak bases which appear as artifacts unless the conditions of extraction are carefully controlled.

These brief notes may be amplified by reference to the Report. Detailed research results can be made available on application to the C.S. & I.R.O. Head Office. —F.H.B.

Overseas News

GREAT BRITAIN

London, July 10, 1958.

Ten Years of National Health Service

On July 5, 1948, the National Health Service came into being and the tenth anniversary has been mildly celebrated, at least by the press. There have been no National festivities, but some hospitals have held open days when their work could be examined by the public, and rumour has it that invitations to the Royal Garden Parties have included a high proportion of individuals who take part in the voluntary side of the Service. Generally the Service is regarded as an established institution, and the Chairman of one of the Metropolitan Regional Hospital Boards who is a pillar of the Conservative Party, told your correspondent that although he was not favourably disposed to the scheme at its inspection he had been converted to viewing it favourably, and thought there had been vast achievements during the decade.

Sir Hugh Linstead's Views

The "Times" newspaper issued a 24-page supplement which dealt with all aspects of the Service. In an article under the heading "18,000 Pharmacists Kept Busy," Sir Hugh Linstead, M.P., a Joint Secretary of the Pharmaceutical Society, includes the following observations:

"The pharmacists shouldered the extra burden that came with the Health Service without breakdown. Adding public to private prescriptions, the probable increase comparing 1947 with 1949 was well over 100 million in the year. Fifteen thousand pharmacies, in which 18,000 pharmacists are engaged, now dispense about 230 million prescriptions annually for the Service and perhaps five million private prescriptions; about 30 per cent. of the turnover of an average pharmacy is today represented by N.H.S. payments. At a few health centres there are dispensaries, but these have proved costly to run and serve only their immediate locality. There is a scheme for testing dispensing. The number of inaccuracies revealed has been insignificant, and Ministers have testified to the high standard of the work. The testing scheme is not well regarded by pharmacists, who point out that neither doctors nor hospitals are similarly schooled and that oversight over professional activities is a matter for the Pharmaceutical Society and not for the State.

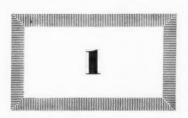
A major revolution in the relations between pharmacy and medicine was effected by the Service. Overnight the "dispensing doctor" almost disappeared. At present fewer than 6 per cent. of patients, essentially those in country districts, receive their medicines from the doctor. The Health Service at the same time reduced requests from the public to the pharmacist to recommend medicines. Both these changes have contributed to cordial relations between the two professions.

The British National Formulary is widely used by prescribers, and has contributed to keeping the cost of prescriptions within bounds. The average cost of a prescription has mounted from 1/8 in 1947 to over 6/-in 1958, but the comparable figure in Canada is about 14/- and in the United States 20/-.

THREE SIGMA

NEOMYCIN

FORMULATIONS



SIGUENT NEOMYCIN

Formula: 5 mg. Neomycin Sulphate in each gram of paraffin base ointment. Indications: Pyogenic infections of the skin including impetigo, boils, wounds, sycosis and ulcers.

Pack: 1 oz. collapsible tube.



SPERSIN

*Formula: 10 mg. Neomycin base in each gram of sterile lactose.

Indications: Burns; pyogenic infections of the skin & as first-aid dressing.

Pack: 7.1 Gm. plastic puffer.



SIGUENT BACOMYCIN

(FORMERLY SIGUENT OPHTHALMIC BACITRACIN & NEOMYCIN)

Formula: 5 mg. Neomycin Sulphate, 1,000 U. Bacitracin in each gram of Oculentum base.

Indications: Ocular infections, including conjunctivitis, sties, keratitis and blepharitis.

Pack: 1 dram collapsible tube with applicator nozzle.

Be ready for that next prescription. Check your stocks - NOW



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The Australasian JOURNAL OF PHARMACY, July 30, 1958

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Easy way to enjoy the fun of reflex photography. £19.10.0. In-cluding E.R. case. Features fine grain, ground-glass focusing; twin Yashimar f3.5 lenses, hard coated and color corrected; shutter speeds to 1/300th second and "Bulb": built in flash synchronization; eye - level sports finder, and mag-



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coated and color cor-rected; shutter speeds from I to I/300th sec. and "Bulb"; M-X flash syn-chronization; delayed action; eye - level sports finder and magnifier.



YASHICA-MAT

Crank action advances film, sets shutter, and prevents double exposures
—automatically. £ 45,10.0, including E.R. case.

Features an f3.5 taking lens and f3.2 viewing lens -both 4 elements, hard coated and color corrected; shutter speeds from I to 1/500th sec. and "Bulb"; extra bright field lens: M-X flash synch.; delayed action; sports finder and magnifier.

YASHICA-LM

With the convenience of a built-in exposure meter. £ 39.0.0, including E.R.

case. The Yashica LM has every quality feature of the Yashica-C - plus the added convenience of a highly accurate and sensitive exposure meter. Here Is the new, modern way to perfect pictures every time - in black and white or color.



AVAILABLE THROUGH YOUR USUAL DRUG WHOLESALER or Direct from the Sole Australian Distributors

H. BLEAKLEY PHOTOGRAPHICS PTY. LTD.

BRANCHES ALL CAPITAL CITIES

Pharmacists in hospitals have fully responded with their colleagues in retail business to the demands of the new Service. They have gravely suffered from inadequate recognition of their work, and pharmacy in the hospitals is today faced with a staffing crisis that requires more than a reassessment of salaries for its cure.

The fact that medicines are introduced as proprietary preparations, coupled with the wide use by physicians of the formulary, tends to standardise the pharmacist's work. But the constant expansion of the frontiers of medicine is at the same time calling for wider knowledge. The educational programme of the Pharmaceutical Society and the universities is expanding in keeping with this need."

Thanks From a Minister

The Minister of Health has written to the Chairmen of Hospital Management Committee of Executive Councils and other administrative bodies, thanking them for the service given in their spare time. "The part they play is vital, the administration of this great undertaking is in itself a very heavy responsibility and, to a degree that is most unusual and remarkable, it has been entrusted to people drawn from all walks of life serving voluntarily and giving freely of their time without reward.

"They bring to it not simply administrative capacity and an element of experience from outside, but an understanding of the ordinary person's needs and a personal interest which are vital if this great undertaking is to be administered in a spirit of humanity and service.

"On this occasion, I wish to acknowledge the contribution which you and your authority have made, and I ask you to accept and to convey to your members my appreciation of the work you are doing for the Health Service."

Tribute to Pioneer

In the "Pharmaceutical Journal," which is reviewing the position in pharmacy over the decade, Sir Hugh Linstead paid a tribute to the pioneer work of his predecessor, Sir William Glyn-Jones, for his activities when the National Health Insurance scheme began 47 years ago. He states: 'It is too little appreciated in British pharmacy how important in this connection has been the absence from the National Health and Insurance schemes of a place for the Friendly Societies. Sir William Glyn-Jones had much to do with their exclusion from the pharmaceutical service in 1911 under the original N.H.I. scheme, and this exclusion was extended to the whole N.H.S. scheme in 1948. In many European countries, the Societies hold a dominating position in social security, owning pharmacies, publishing their own formularies and seeking by every legitimate means to drive down expenditure on drugs and medicines. Our pharmaceutical colleagues across the Channel regard the power of these Societies as the greatest challenge professional freedom has to meet."

Report on Prescribing

Just over a year ago the Minister of Health set up a Committee under the Chairmanship of Sir Henry Hinchliffe to investigate the factors contributing to the cost of prescriptions and to make recommendations. This Committee, which includes one pharmacist, Dr. K. R. Capper, Editor of the Pharmaceutical Society's scientific publications, has now issued an interim report. Among the recommendations a case is made out for a new kind of prescribing handbook. Doctors who prescribe expensive preparations may be unaware of their cost and so offend against the most elementary canons of financial responsibility. Information about the relative costs of alternative drugs is not readily available at

present to general practitioners or for that matter to hospital doctors and that if information about costs is to be of real value in assisting doctors to select the cheaper preparation when alternatives are available, this information should be provided in a single comprehensive prescribing handbook of convenient size and adequately indexed. This handbook should contain not only much of the present British National Formulary (alternative edition, with preparations grouped pharmacologically), but also the comparative costs of standard and proprietary preparations and other information now only to be found in a number of separate publications. The Committee suggests that in order to keep information on prices up to date, a loose-leaf type of publication should be considered, possibly with the various sections in different colours. Such a system would also enable preparations of new drugs of obvious merit to be added to the Formulary without delay. The Committee mentions that representatives of the medical profession and individual practitioners have assured it that doctors would welcome a prescribing manual of this kind in place of the present plethora of documents on the subject and that they would be prepared to undertake the small additional burden involved in keeping the manual up to date if it were produced in loose-leaf form. The Committee recommends that the Minister should confer with the British Medical Association and the Pharmaceutical Society to see if it is practicable to include within the one publication, sections which are prepared by, and are the responsibility of, separate bodies. The problems of the cost of the book and its scope should be discussed at the same time.

The Committee also recommends that if necessary the law should be amended to make it obligatory for manufacturers to indicate in literature circulated to doctors the price of the advertised products.

Approved Names

In the number of different names by which new drugs may be known lies one of the greatest difficulties facing the general practitioner in deciding what he should prescribe for a patient, says the Committee. There are, for example, just under 5000 proprietary preparations available for prescribing. Economies would follow, the Committee believes, if simple approved names for new products could be evolved quickly and given the widest possible publicity. This would depend, of course, to some extent upon cheaper standard preparations being quickly available. The Committee believes it essential that steps should be taken to ensure that approved names are as simple as possible. The present rules of nomenclature require that the approved name should be based on a drug's chemical constitution, but in practice few doctors can be expected to recognise the constitution of a particular substance from its approved name.

At present a year or two may elapse before an approved name is formulated for a new drug, continues the report. During this period doctors get into the habit of prescribing the new preparations by their trade names, which are coined immediately in the case of the larger drug firms by staff employed specifically for the purpose and are deliberately designed to be easily written and memorised. As a result of high-pressure salesmanship these branded names become household words in the general practitioner's vocabulary very soon after the preparations are placed on the market. It seems to the Committee that some of the principles of nomenclature now in force may well be inappropriate today. It therefore recommends the Minister to ask the British Pharmacopoeia Commission whether they will review the principles on which the selection of approved names is based. The Committee also suggests that lists of approved names should be provided in which proprietary names are arranged alphabetically together with their official equivalents. Another suggestion is that before putting a new drug on the market manufacturers should be encouraged to ask the British

Pharmacopoeia Commission to give it an approved name. As soon as that has been done, the approved name should appear on labels and advertising literature for proprietary preparations as prominently as the trade one.

In all, however, the Committee has found no evidence of serious irresponsibility on the part of doctors in prescribing. It is pointed out that the increase in the total cost of drugs is proportionately less than in other countries of Europe and the Commonwealth which have similar, but usually more restricted, systems of insurance. Serious attention was given to the question of large quantities being prescribed. In particular New Zealand restrictions were examined, and the Committee contemplated recommending similar limitations in Britain. There are so many administrative difficulties, however, that this will be left until the final report.

Industry Comments

Dr. Thomas Kerfoot, President of the Association of British Pharmaceutical Industry, said in commenting on this report: "I am concerned at what appears to be a lack of understanding of the importance of proprietary names in the pharmaceutical industry. The continuing discovery of new and better drugs is a vital necessify if British medicine is to hold its place among the best in the world. If a manufacturer is to continue to spend large sums of money on research it is essential that he should be allowed to recover the cost. He can only do so if he can sell his product under a proprietary name."

A statement issued by the Association expresses concern at some of the Report's underlying implications regarding the pharmaceutical industry. The statement says that the Report does nothing to dispel the wide-spread misconception that in prescribing drugs for his patient the doctor has a clear choice between a cheap, standard drug and a more expensive proprietary preparation. It is a misconception first, because many drugs are only available in proprietary form and, secondly, because many proprietary preparations are not dearer than their standard counterparts. The Association is also concerned, particularly in the light of the Interim Report's recommendations on approved names for new drugs, that the Committee may have failed to appraise correctly the value and importance of proprietary names. The use of proprietary names is the only way in which manufacturers can finance their research programmes and establish sales at a level which will permit economical production. In the considerable export business which the pharmaceutical industry conducts, their use is of great importance and in most cases essential. In the Association's view, it would be extremely unwise and short-sighted to put pressure on doctors, either to avoid proprietary names, or to prescribe drugs in the cheapest form in which they happen to be available. With medical products, as with almost any other commercial article, the cheapest is not always the best, and the Association believes that it should be left to the good sense and experience of the doctor to select, with due regard to economy, the product which he knows and which best suits the needs of his patients.

The Association agrees with many of the practical steps proposed by the Committee to ease the difficulties of doctors in ensuring that in the National Health Service drug bill the nation gets value for money. So far as it is able to do so, the pharmaceutical industry promises to collaborate in taking these steps. For example, the Committee recommends that prices should be included in all informative literature circulated to doctors.

The Association's statement comments that despite the difficulties which this will entail, chiefly in connection with export business, the industry has already voluntarily agreed to introduce this, and it should not therefore be necessary to make any amendment to the law.

Children and Tablets

Some experiments have been going on in Britain to determine the preference children have for coloured tablets with a view to using the least frequently selected colours for medicaments. Some months ago Mr. H. S. Grainger, chief pharmacist of Westminster Hospital, and a member of the Society's Council, reported preference among children for coloured tablets in the ratio of 2 to 1. Now Messrs. H. Jolly and T. R. W. Forrest have communicated their findings to the "Lancet." In all some 613 children aged from one to eight years were allowed to help themselves from a plate containing tablets in the ten following colours: Blue, black, brown, orange, white, yellow, pink, green, wine and magenta. Bright colours were the most popular and the magenta being chosen by one child in six (104). This was followed by pink (74), blue (66), orange (64), brown (61), yellow (56), white (52), green (47), black (45), wine (44). Though black was included, the authors do not regard it as a suitable colour as black tablets might be readily lost and be retrieved later by children, then eaten. As will be seen, white was not in the popular range, perhaps because the children associated white with pills and not with sweets. If this is true the authors suggest that it would seem wiser for tablets to be kept white. Aspirins, however, are white and often cause poisoning in children, but ready accessibility may be the answer. For safety the choice of colour is only one way of reducing accidental poisoning. The authors consider that all poisonous tablets should be dispensed in cellophane strips which are difficult for the child to undo, and that the only real safeguard is for all tablets to be kept in locked containers.

Subliminal Advertising

Last year attention in the United States was focussed on the possibilities of projecting advertisements on cinema and television screens, which could not be observed by the eye, but nevertheless made an impression on the individual. It was found that sales of ice-cream and soft drinks could be increased during the intervals at cinema performances by this means. The ethics of this form of advertising has been widely discussed in Great Britain, and the Institute of Practitioners in Advertising set up a technical sub-committee to study the new techniques. This committee has now reported that "the use of subliminal communication in whatever form for advertising and sales promotion is professionally unacceptable."

The report defines subliminal communication as "the sending, reception and effects of physically weak visual or oral messages which people receive in a physiological sense, but of which they are not consciously aware." The Institute considers that the dangers of subliminal advertising, at least in the present state of knowledge, are not unduly great. "Present evidence," the report says, "shows little if any effect from subliminal communication in the field of selling and persuasion. The dangers of this method of communication—which have given rise to public comment—are therefore not justified by any evidence submitted. The report records some experiments. A London advertising agency found that messages superimposed on cinema or television screens had no effect, but had more success with a notice saying "Thirsty" hung over a television screen at a subliminal intensity. "The audience's post-programme drinking behaviour seemed to be somewhat influenced," says the report, soberly enough, since the experiment was carried out with housewives and orange juice. Apparently individiuals differ greatly in their physiological thresholds and the young are much more easily affected by subliminal stimulation than their elders.



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and send your sales and profits soaring!

When you order your new and better BENZEDREX INHALER in complete dozens you get your Inhalers packed in the attractive new four-colour Display Pack - ready for work as your silent salesman. This hard-hitting point-of-sale display stimulates 'impulse buying' and sends sales soaring. And it pays you well to get your Display Dozens in a £10 SKF Discount Parcel. Here are two good reasons why:

You will sell more Inhalers than ever before with the hard-hitting Display Pack.

The Discount Parcel bonus terms increase your profit: the four-colour Display Pack

2 Every Inhaler bought in a £10 SKF Discount Parcel shows a full 50% on cost plus an extra 5% Discount Profit.





Trade Notes

EFCORTELAN SKIN LOTION

Glaxo Laboratories (Aust.) Pty. Ltd. has announced the addition to its sales range of topical corticosteroids, a new potency of Efcortelan Skin Lotion.

This new presentation is an 0.25 per cent. potency and is available in a 10 c.c. plastic squeeze bottle at the trade price of 6/4 per bottle, and retailing at 9/6 per bottle.

MYLIPEN SUSPENSION: IMPROVED FORMULATION

Following a large amount of experimental work, Glaxo Laboratories (Aust.) Pty. Ltd. now has available an improved presentation of Mylipen (procaine penicillin in aqueous suspension).

The new improved suspension is available in the following packs:

Vials: 900,000 units. Trade price, 4/8 each. Vials: 1,500,000 units. Trade price, 6/6 each. Vials: 3,000,000 units. Trade price, 10/8 each.

AYERST LABORATORIES PTY. LTD.

Mr. A. B. Newsom, sales manager for Ayerst in Australia, returned recently from a visit to the parent organisations in the United States and Canada.

Ayerst McKenna & Harrison, of Montreal, are engaged in extensive pharmaceutical research, original products of which will become available to the Australian market.

Ayerst, which is planning for further expansion throughout Australia, has recently appointed Mr. Graham Mountseer as medical representative for Queensland.

MEDICAL SUPPLIES FOR EMPIRE GAMES

Evans Medical Supplies Ltd., of Liverpool, provided the medical supplies for the British Empire and Commonwealth Games, which took place at Cardiff, Wales, from July 18 to 26.

The drugs and medicines were distributed to ten separate centres at the Games, including the main Medical Inspection Room and Physiotherapy Centre at the Empire Village at St. Athans aerodrome.

These medical supplies were available to over 1,000 athletes from 37 countries who competed in the Games.

CORLAN PELLETS: A NEW GLAXO PRODUCT

Glaxo Laboratories (Aust.) Pty. Ltd. has announced the introduction of a new Glaxo corticosteroid product under the trade name Corlan Pellets.

Corlan Pellets contain 2.5 mg. of hydrocortisone hemisuccinate and are available in tubes of 20. Their introduction follows the very successful work by True-love and Morris Owen (B.M.J., March 15, 1958) on the treatment of aphthous ulcers with a special tablet prepared by the Associate Company in the United King-

dom.

The trade price for Corlan Pellets is 13/4 per tube

GLASS PACKAGE BOOSTS COSMETICS

The colourful new glass container for a well known range of cosmetics has attracted favourable comment from retailers and consumers.

The seven different packs in the range referred to—five bottles and two opal glass jars—were produced by Australian Glass Manufacturers Pty. Ltd. through a

new ceramic printing process, used for the first time in Australia.

The result of many months of research by Australian glass technicians, the containers for the range have a wrap-around print in light blue ceramic with instructions over-printed in white.

SEPTEMBER NAMED "IPANA MONTH"

For some years, March has been the month set aside for intensive Ipana Tooth Paste promotion, but after consultation with the Guild, Bristol-Myers Co. Pty. Ltd. has made September "Ipana Month" for this year.

In September, substantial advertising will be directed towards building up tooth paste sales through pharmacy. The campaign planned is fresh in its approach and should have very considerable impact.

Magazines, press, radio and TV will all be used to promote the idea that "this is Ipana Check-up Month." Chemists are to be advised individually of full details and will have available to them a range of display material tying in with the main theme.

NEW SIZE IN KODAK COLOUR PRINTS

Kodak (A'asia) Pty. Ltd. has announced the availability of a new size in Kodak Colour Prints—5 x 7 inches. This new size is in addition to the existing service of $3\frac{1}{2}$ x 5 inches.

Prints in both sizes are produced in a most attractive high-gloss surface and can be made from any make of positive colour transparency in 135 or 828 sizes. They are available singly or in any quantity and retail at 18/6 each (5 in. x 7 in. size) and 8/6 each $(3\frac{1}{2} \text{ in. } x \text{ 5 in. size})$

Both sizes of Kodak Colour Prints may be ordered by any Kodak dealer through the Kodak Colour Print order system. Details of this system are available from Kodak representatives and Kodak branches.

CHEMICAL HOLDINGS PTY. LTD. REORGANISATION

Since the announcement of the retirement of Mr. Norman S. H. Catts from Chemical Holdings Pty. Ltd., and its wholly-owned subsidiaries, Commonwealth & Dominion Agencies Pty. Ltd., Kingsgrove Laboratories Pty. Ltd., and Pharmedica Pty. Ltd., Mr. Russell G. Catts has been appointed Managing Director.

The new Board of Directors consists of Mr. Walter G. Tester, B.A., LL.B., Chairman; Mr. Russell G. Catts; Mr. E. J. Willis, M.P.S.; and Mr. G. D'A. Hapgood, F.C.A. (Aust.), (Consultant).

Pharmacists will be interested to learn that Mr. Russell G. Catts plans a new policy for his group of companies, designed to foster the closest co-operation with chemists in the future merchandising of his products. He believes that manufacturers should work in closer co-operation with the Pharmaceutical Guild of Australia.

SEDNACO PHOLCODINE LINCTUS

Formula: Syr. Pholoodine Citrate B.P.C., Syr. B.P. aa pts. aeq.

Presentation: Bottles of 8 fl. oz.

Price: List, 8/6; retail, 12/9. One bottle free as bonus with each dozen.

A.V.Ps.-Allenburys Vitamin Pellets

A multi-vitamin and mineral tablet with a coffee flavour. Is so palatable that it may be chewed or sucked.

Formula: Vitamin A, 5,000 u.; Vitamin D, 500 u.; Vitamin C, 30 mgm.; Aneurin Hydrochloride, 2 mgm.; Riboflavine, 1 mgm.; Pyridoxine Hydrochloride, 1 mgm.; Cyanocobalamin, 5 mcg.; Iron, 10 mgm.; Magnese, 2 mgm.; Magnesium, 2 mgm.; Zinc, 2 mgm.; Copper, 1

mgm.; Molybdenum, 0.1 mgm.; Cobalt, 0.1 mgm.; Iodine, 0.1 mgm

Presentation: Bottles of 30 tablets and 100 tablets. Prices: 30 tablets, list, 13/- each; retail, 19/6 each. 100 Tablets, list, 26/4 each; retail, 39/6 each. Bonus: One bottle free with each dozen.

B.W. EXECUTIVE ON OVERSEAS VISIT



Mr. John Doenau, Marketing & Advertising Manager, Burroughs Wellcome & Co. (Aust.) Ltd., will leave Sydney towards the end of August for a three months' world tour of Wellcome Foundation associated houses. Mainly he will discuss marketing and advertising matters with the London and New York houses, but en route, will visit the company's factories and distribution depots in Bombay, Rome, San Francisco and Auckland.

WARNER LAMBERT VICE-PRESIDENT

Mr. R. H. Gleckner, Vice-President of Warner - Lambert International, is visiting Australia from the United States, to discuss expansion of his company's activities in Australia and the development of its exports to other countries. Warner - Lambert tries. is contemplating the construction of a modern fac-tory at Villawood (N.S.W.), which will initially provide double the present production capacity for pharmaceuticals, cosmetics and other pro-



Mr. R. H. Gleckner

COLGATE DENTAL CREAM IN "FAMILY" SIZE!

"Family" size toothpaste packs achieved success when introduced by the American Colgate Company last year. Colgate "Family" size has much to offer the retailer and the consumer. The retailer gets 2/- profit on every tube he hands across the counter. The consumer saves up to 2/11 by buying this size instead of the same quan-

up to 2/11 by buying this size instead of the same quantity of cream in the medium size.

Colgate salesmen are offering the new size now and it will be featured in radio and television shows and in the daily press and magazines—plus a colourful display of outer and pre-gummed window bills.

Lustre Creme Lotion in Bottles!

New developments have provided for production and expansion from "bubble" packs into what Colgate-Palmolive Pty. Ltd. describes as "proper packaging"—a slim white bottle with gold foil label, and the company looks forward to a full-scale drive with this popular shampoo, backed by its advertising and merchandising campaign. The company also offers retailers a very attractive merchandiser unit carrying a range of the new lotion pack.

The product contains Lanolin and is claimed to be particularly effective for dry or normal hair.

CHANGES IN SMITH KLINE & FRENCH EXECUTIVE

Mr. E. H. Kidger, Managing Director of Smith Kline & French Laboratories (Aust.) Ltd., retired on June 30 after 44 years of service. At a dinner held at the Wentworth Hotel, Sydney, Mr. R. Pfizenmaier, Managing Director of Smith Kline & French Laboratories, London, made a presentation to Mr. Kidger on behalf of the company. Mr. Kidger remains a Director of Smith Kline & French Laboratories (Aust.) Ltd.





Mr. E. H. Kidger

Mr. R. K. Wyburn

Mr. R. K. Wyburn, who joined the organisation in 1949, was appointed Managing Director on July 1. Mr. Wyburn recently returned from an extended visit to the Head Office of Smith Kline & French Laboratories in Philadelphia, U.S.A.

CRYSTAPEN V AND CRYSTAPEN VK TABLETS

Glaxo Laboratories (Aust.) Pty. Ltd., as authorised distributors of penicillin V preparations under agreement with the patent holders, has confirmed that Crystapen V Tablets will continue to be available.

Packs, Prices and Potencies

Crystapen V Tablets are now available containing either phenoxymethyl penicillin free acid or the potassium salt. The tablet containing the potassium salt is available under the trade name Crystapen VK Tablets.

The following are the potencies and trade prices of Crystapen V and Crystapen VK Tablets:

Crystapen V Tablets (Free Acid)

60 mg.—	0.7.	aupen		dis	LUAN	. 1.	 e 21	icaca)		
Bottles	of 24	Tablets					 	11/61	per	bottle
22	,, 100	22				* *	 	43/-	22	22
22	,, 1000	99	5.5				 	375/-	99	22
125 mg	_									
Bottles	of 24	Tablets					 	21/61	oer	bottle
#2	,, 100	**					 	85/-		99
99	,, 1000	99					 	780/-	99	99
250 mg	_									
Bottles	of 12	Tablets					 	20/6	er	bottle
12	,, 100	11					 	160/-	**	99
	1 (11/11)	**						12211/_		

Crystapen VK Tablets (Potassium Salt) tablets are packed in 125 mg. and 250 mg. sizes only, in bottles containing 12's, 100's or 1000's, prices being the same as for the corresponding packs of Crystapen V Tablets (Free Acid).

(PHENOXYMETHYL PENICILLIN)

FOR

ORAL

TREATMENT

OF.

PENICILLIN-

SENSITIVE

INFECTIONS

111

TABLETS

OF:

50 mg. (100,000 UNITS)

Available under the

COMMONWEALTH SERUM LABORATORIES
PARKVILLE, N.2, VICTORIA



MANUFACTURE BY CONTRACT

means lower costs and fewer problems

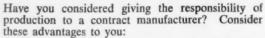




A battery of rotary tablet compressors, capacity one million tablets per day. Left: a fully automatic twist-wrapping tablet machine



Section for sterile products, completely dust-free. Highly polished stainless steel steam jacketed pan, heat-exchangers, eacteriological filter presses, mixing and storage containers.



(1) You do not use your own capital.

(2) You have at your disposal the accumulated knowledge of experienced chemists and technicians for formulation and production.

(3) By placing your manufacturing problems in the hands of specialists, you can devote all your resources and time to advertising and selling.

(4) You know your unit cost in advance.

Kingsgrove Laboratories has 40,000 sq. feet of modern factory area, and modern specialised equipment, including Roll Wrap and Automatic Strip Wrapping Machinery.

The services of experienced personnel are available to undertake manufacturing and packaging on any scale, of tablets—coated and plain, powders, liquids, pastes, creams, ointments and sterile products. A wide range of packaging finishes is available.

Strict supervision and rigid control ensure a high standard of quality and finish. Any information supplied by you will be treated with the strictest confidence, and will not be divulged except to a few selected senior personnel.

We will be glad to submit quotations and discuss your manufacturing or packaging problem and advise on formulation or finish.



Production line-one of many conveyor-belt packaging lines.



KINGSGROVE LABORATORIES

Forrester Street, Kingsgrove SYDNEY

Telephone LY 0261 (6 lines)

Cables - Telegrams KILAB

HANIMEX INTRODUCES QUALITY SEAL

Mr. G. D. Wilson, General Manager of Hanimex Pty. Ltd., recently announced that his company had introduced a "Seal of Quality" which would be affixed to its locally manufactured products.

Mr. Wilson said that the seal was designed to ensure a guarantee to the trade of the quality of the product, and also to assure the buyer that the product is covered by Hanimex's unconditional guarantee against faulty materials and workmanship. He stated that Hanimex inspection staff at their Brookvale factory sign each "Seal" after final inspection, thus ensuring that before the product leaves the factory it is in perfect working

The new "Seal of Quality" is printed in red, black and green, and is attractively cut in the shape of a seal. Provision is made for stringing it to the product.

Argus 300 Han-O-Matic De-Luxe Screen Slide Available

Hanimex Pty. Ltd. has advised that a colourful, attractive screen slide for the new Argus 300 Han-O-Matic De-Luxe is now available. Dealers who require this slide should contact Hanimex, and supplies will be forwarded.

The slide is supplied free of charge, and arrangements can be made to insert the dealer's name, also at no cost. A colourful display card, designed to fit the Argus 300 Han-O-Matic, is also available—you only need 'phone or write for immediate despatch.

SCHERING CORPORATION, U.S.A.

The formation of a new Australian Affiliate, Essex

Mr. E. A. Lum, F.P.S.

The formation of a new Australian Affiliate, Essex
Laboratories Pty. Ltd., is announced by Schering Corporation, Bloomfield, New Jersey, U.S.A.

Essex Laboratories is located at 209 Caltex
House, Kent street, Sydney, and the General
Manager is Mr. E. A.
Lum, F.P.S., who was previously M an aging
Director of the Schering
Corporation, U.S.A.) af-Corporation (U.S.A.) affiliate in Johannesburg, South Africa. The Sales Supervisor in Australia is Mr. T. B. McManus, who was also previously located for Schering Corporation in Johannesburg.

Essex Laboratories intends to take over control

of all promotional, advertising and detailing activities as well as imports, and arrangements are now well in hand to manufacture locally some of the products of Schering Corporation, U.S.A. Several of these products have been on the market in Australia and are well known to the pharmaceutical and medical professions. Other new and important products are now under investigation in the Research Laboratories of Schering Corporation, U.S.A., and a number of these will be introduced

to the Australian market in the near future.

The distributors remain as in the past, Pharmedica
Pty. Ltd., Forrester street, Kingsgrove, and any information concerning the products of Schering Corporation may be obtained either from the distributors or from Essex Laboratories Pty. Ltd., which will be pleased to receive any friends in the trade at its offices in Caltex

House.

MR. O. S. WILLIAMS RETIRES FROM CHEMCO

Mr. O. S. Williams has announced his retirement from the management of Chemco Co-operative Society Limited. He leaves Chemco to take up the organising and administering of the activities of The Foundation for Research and Treatment of Alcoholism.

Mr. Williams is a registered chemist and has been

in the wholesale side of the pharmaceutical industry for some 23 years. He is a well-known personality to most chemists in New South Wales, also to many in other States, and was responsible for the formation of Chemco Co-operative Society Ltd. in New South

"Os," as he is known, has been keenly interested for years in the problem of alcoholism and its treatment. He helped to bring The Foundation on Alcoholism into being. He will now devote himself and his talents to

this community problem.

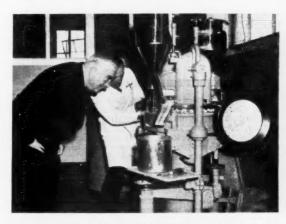
On the night of July 5 Mr. J. A. Glover, Treasurer of Chemco, whom the Board has now appointed Acting General Manager, made a presentation of a grandfather clock to Mr. and Mrs. Williams on behalf of the staff of Chemco.

In the absence of Mr. Philip Bailey, Chairman of Directors, who was ill, Mr. A. J. Cawood (Director) said how much Mr. Williams would be missed not only from Chemco but from pharmacy. His energy and ability had placed Chemco Co-operative Society on sound foundations. He had made many friends, and Mr. Cawood felt that everyone's most sincere good wishes went with Mr. Williams. Mr. Cawood further said that Mr. Williams was to be admired for undertaking this humanitarian work. taking this humanitarian work.

In reply, Mr. Williams particularly thanked the staff of Chemco for their friendly co-operation and help during the sometimes difficult formation period. Without their help Chemco could not have come into being.

PRIME MINISTER VISITS FAULDING LABORATORIES

On June 25, the Rt. Hon. R. G. Menzies, Dame Pattie Menzies and official party inspected the Torrenside Laboratories of F. H. Faulding & Co. Ltd. This visit to the various manufacturing sections was a source of great interest to the Prime Minister and his wife, and he overstayed his scheduled time for the visit.



The Prime Minister, Mr. Menzies, inspecting a rotary tablet compressing machine producing over one million Saccharine tablets per day at the Laboratories of F. H. Faulding & Co. Ltd., Southwark.

The present staff throughout the century-old Faulding organisation numbers well over 1,000. These include graduates in science, pharmacy, chemical engineering, cost accountancy and accountancy. It is claimed that every member of the Faulding staff has been specially trained to take his or her part in producing, packaging and marketing the wide range of products produced by the different Faulding Divisions.

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PARKE, DAVIS & CO. LTD.

The accompanying illustration shows the Premier of New South Wales, the Honourable J. J. Cahill (extreme right), together with the President of Parke, Davis & Co. Ltd., Mr. Harry J. Loynd, and the Vice-President, Overseas Operations, Mr. W. R. Jeeves.

This photo was taken following a visit to Detroit

of the Premier and his party, who were in that city from June 15 to 18. The Premier of New South Wales has been interested in furthering industrial development



and investment in the State of New South Wales, and had frequent consultations with American business leaders to this end.

In addition to visiting Parke, Davis & Co. in Detroit, Mr. Cahill also made visits to the Chrysler Corporation, General Motors Technical and Research Centre, and in addition visited local dignitaries and addressed groups of business leaders in Detroit.

ABBOTT RESEARCH CENTRE

Abbott Laboratories broke ground on June 19 at North Chicago for a major Research Centre addition, the largest single construction project in its 70-year history. An eight storey structure of glass and steel "curtain-wall" exterior, it will more than double the space available for all phases of pharmaceutical research, development and control.

major step in a projected five-year \$20,000,000 capital expansion programme," George R. Cain, President and General Manager, announced. "The building will be at the same time a legacy from those Abbott people who have made such progress possible and a workshop for the Abbott scientists today and tomorrow who will carry on the quest for new weapons against suffering and disease. We look upon it as a symbol of our faith in the future."

Mr. Cain reported the new building will enable Abbott to build the staffs of its North Chicago scientific divisions from about 600 to more than 1000 scientists

and technicians. He said that the new facilities, added to those now operating, will give Abbott one of the finest research centres of its kind.

Dr. Ernest H. Volwiler, Chairman of the Board of Directors, officially broke ground with the same pick used to break ground for the first section of the present North Chicago Research Building in 1086 North Chicago Research Building in 1936. Another

section was added in 1947, but the pace of medicinal research soon made more facilities desirable. Plans for the new structure have been under way for more than two years.

The long part of the L-shaped building will have a basement and a penthouse for equipment in addition to eight full storeys. The short part of the "L" will be two storeys high. The basements of the new and old research buildings will be joined. There will also be passageways connecting the first two floors.

One of the unusual architectural features will be "outside" corridors next to the windows all around the building, which will be completely functional. Additions can be made in units up to eight storeys with a minimum of construction problems. Also, most interior walls will be removable so that laboratories can easily be reduced or increased in size.

PRESCRIPTION PROPRIETARIES CARD SERVICE

The 20 cards issued recently for the month of July dealt with the following products:—

A:147 A:148 B:92 Acalo.

Amadal.

Biosone G.A. Compound Suppositories. B:93 Biosone G.A. Ophthalmic Ointment with

Neomycin. Contrakliman.

C: 174 D: 120 H: 61 Cardrase.

Duovac. Hexadoxin.

I:33 Ickosan (Ichthammol Dust. Pdr.)

M:98 Medrol

Ovestin

O:41 P:219 T:120 Peni-Vee

Theravaxin

T:121 T.H.A.

U:11 U:12 V:55 Ultracortenol Eye Ointment and Eye Drops. Ultracortenol Cream.

Veecillin.

Xylocaine Ointment.

X:3 X:4 X:5 Xylocaine Epinephrine. Xylocaine Viscous.

"Prescription Proprietaries Guide for Doctors and Chemists"

Details of a new offer will be in the hands of Journal readers a short while before this issue reaches them.

The "P.P. Card Service" will be discontinued at the end of this year, and in its place the Journal will produce every two years a new book, "Prescription Proprietaries Guide for Doctors and Chemists." The price of this book is £5/7/6 for the two years. So that details of new products becoming available from time to time will be under notice, there will be seven quarterly supplements to the "P.P. Guide" in the period between the biennial issues of the book.

It is expected that the new book will be distributed towards the end of November next. It will contain under the one cover the greater part of the information given in the "P.P. Card Service" since it was instituted

LABOUR SAVING

Note handed in by customer to A.E.S. Ltd., of Bournemouth:-

Zinc ointment

Sulphur ointment

Rose water.

Ask the chemist to shake together as it's very hard

-(From "The Alchemist".)



DEXSAL

SETS NEW SALES RECORDS SEASON AFTER SEASON!

SOLID ADVERTISING SUPPORT BRINGS RECORD RESULTS

This has been a bumper year for Dexsal. Why? Because chemists who featured Dexsal in windows and on counters were backed up by both press and radio advertising. Big advertisements appeared regularly in metropolitan newspapers, and no less than 42 radio stations carried Dexsal advertising, too. Sell and recommend Dexsal — it's a 'chemists only' line that always is well backed by strong and consistent advertising support.



A 'chemists only' line worthy of your very special attention

PARKE-DAVIS KAPSEALS

Parke-Davis products supplied in Kapseals include:

Desicol
Dilantin
Combex
Taka-Combex
Synkamine
Hexavibex
Abdec
Carbrital
Benadryl

This

is

Chloromycetin Geriplex Lipomin Ambodryl Chlorostrep Amphedase Milontin

Eldec

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PARKE-DAVIS KAPSEAL

The unique banded capsule identifies it as a Parke-Davis product of the highest quality:

PARKE, DAVIS & COMPANY, LIMITED (INC. DEA.) SYDNEY, AUSTRALIA

Student Activities

NATIONAL ASSOCIATION OF PHARMACEUTICAL STUDENTS OF AUSTRALIA

The N.A.P.S.A. Badge is now available from the State Associations.

The Badge measures one inch across, and the boomerang which forms the base is coloured brown with gold markings. The letters N.A.P.S.A. and the mortar and pestle are coloured gold on a green ground.

The price of the badge is 5/- with either a brooch back or a ball and chain fastening.

WESTERN AUSTRALIAN PHARMACY STUDENTS' ASSOCIATION

The past month has been uneventful as regards social activities, the only event of importance being the annual Students v. Rumbles football match, which resulted in an overwhelming victory by Rumbles. It seems that it was not the home side's day, despite vigorous bursts of alternating approval and criticism by the spectators. When the Rumbles team came down out of the clouds we adjourned to their new amenities room to celebrate their victory.

Arrangements were made with the Red Cross Blood Bank for mass blood donations to be made at their Perth Centre on July 7 and 8. It was pleasing to see the number of students who went to give blood.

This month the social calendar is not quite so bare. There was a Picnic on July 13. This was held in conjunction with a Car Rally. A nominal prize was offered for the winner. The rally proceeded into the hills at a more or less leisurely pace, a break being staged at Bibkley Weir for lunch and at Araluen for a barbecue tea.

Entrance into the Rally was open to practically every form of motorised vehicle, from scooters to trucks.

Actually there was a dual objective connected with the occasion. One was to provide a social activity, and the second was a much more long range plan to show the students what Araluen and the nearby camp look like and what they can expect in January when they come to attend the Students' Congress.

The importance of the Congress cannot be overemphasised, and all students or newly qualified pharmacists are urged to attend this Congress.

VICTORIAN PHARMACY STUDENTS' ASSOCIATION

During the Queen's Birthday week-end about 20 pharmacy students and a few friends braved the cold and joined in the fun at Hepburn Springs. Golf was the attraction for most during the day; but some preferred walking, tennis and even sleeping!

On June 22, the Annual Picnic and Football Matches were held at Eltham Park. First and Second years played to start off, then Third year, winning for the third year in succession, downed Fourth. Following this, Third year girls and a few helpers beat a much neater First year team at an unorthodox game of Hockey. Everyone enjoyed the barbecue that followed and sat around camp fires until time to depart.

Preparations are being made for the Annual Ball at the St. Kilda Town Hall on September 1.

ADELAIDE UNIVERSITY PHARMACY STUDENTS' ASSOCIATION

There is no news from Adelaide this month, for the simple reason that we have done nothing of note since first term vacation. However, we have a bunch of social events looming up next month which should provide some material.

The photo below shows (left to right) second year Committee members Christine Phillips, Meredyth Woods, Hugh Patton and Geraldine Chapman at work planning the decorations for the Ball.



QUEENSLAND PHARMACEUTICAL STUDENTS' ASSOCIATION

Due to unseasonable weather, conditions were far from suitable for our Barbecue planned for an evening in June. It was to be held at Greenplanes—a pleasant little spot complete with swimming pools, tropical gardens and patio for dancing. Pity about the mild cyclone marring what would surely have been a grand outing for all.

The June Final Examinations are over and leave us all suitably impressed. Some of the candidates set an example of supreme confidence throughout, while others—well, now we know why tranquillisers are gaining such popularity!

We shudder at the thought of our examinations less than 15 weeks away—for First years, College Exams.; Second years, the Intermediate; and for the aspiring Third years, FINALS.

The only activity left on the agenda is the Annual Football Match and Barbecue. As a curtain raiser, we introduce for the first time a softball battle between the fairer sex, Final v. Allcomers from other years.

The main game of football, Final v. the Rest, should be quite an endurance test, for most of the team members feel they could not possibly last out the first quarter, let alone a whole match of 40 minutes each way. However, it is believed suitable stimulation will ensure a rugged and fast game. For the benefit of our Interstate friends, the game to be played will be Rugby Union, the gentleman's game played by gentlemen!

SYDNEY UNIVERSITY PHARMACEUTICAL ASSOCIATION

Since the Pharmacy Department have taken over the Chemistry building, S.U.P.A. have been seeking a room in which to hold their meetings. Thanks to the efforts of Dr. Wright we have been successful. The room is in a very prominent position, being the first on the right as you enter the Old Chemistry Building.

On July 2 the first Committee meeting was held in the new premises. It will be a great asset to S.U.P.A., as now we shall not have to look for accommodation every time we hold a meeting. A Committee member will be in the office after first and second year lectures every day to assist students in any problems, such as text-books, etc. This is for your convenience, so use it. At the end of second term, a film evening will be eld. Watch the local press for further details.

Early in third term, visits are to be arranged to the factories of Parke, Davis & Co. Ltd. and Burroughs, Wellcome & Co. (Aust.) Ltd.

S.U.P.A. extends a welcome home to Miss D. K. Large after her recent trip abroad, and also to Mr. Barry Brown, who has returned from research work in the United States.

—Margaret Whittle, National Publicity Officer, 21 Beatrice road, Dalkeith, W.A.

APPRENTICE DAYS

By "Veteran Pharmacist"

With Acknowledgments to "P.A.T.A. Record"

Reading about the Pharmaceutical Council's educational policy-the students' curriculum and the provision for one year's practical training in the shopcalled to my mind the longer and more arduous requirements of my own four years "indoors" apprenticeship more than 50 years ago.

within a few hours of being introduced to the art and mystery of the pharmaceutical calling I was engaged in the important work of breaking the shells of 500 new-laid eggs (fresh from the farm at 1/- a score) and of placing the yolks in one large jug and the whites in another. The egg yolks, with turpentine, acetic acid and other ingredients, were put into a large dairy churn, and the process of blending and emulsifying was performed daily for a matter of weeks, until the embrocation, or "White Oils" as it was labelled,

was ready for bottling and sale.

The once old-fashioned market town in which I learnt the rudiments of pharmacy, then situated in an agri-cultural district, is now a great industrial centre. In those days, as each autumn-time approached, a board was produced, and upon it was pasted by the apprentice a large poster drawing attention to "Wheat Dressing, now on sale within." The making and packing of this was, for the apprentices (there were two of us), a hard and uncongenial proceeding. The ingredients were sulphates of iron and copper and yellow ochre, mixed in an enormous wooden box in the yard at the back of the pharmacy. The dressing was weighed into pounds by one apprentice while the other, by means of a wooden block and mould, shaped each pound into a next blue-wrapped, oblong package. The demand a neat, blue-wrapped, oblong package. by the local farmers was heavy, and often the apprentices had to rise at six in the morning to get sufficient stock ready for sale during the market day. Varied Tasks

The autumn days passed, the sowing was done, and the wheat dressing poster would be replaced by a striking advertisement for the special Cough Elixir (laced with morphine) made on the premises under qualified supervision. Grosses of this Elixir were sold qualified supervision. Grosses of this Elixir were sold during the winter months—the morphine content may have added to its popularity! Each season of the year brought its particular tasks; the wants of farmers and stock-breeders were catered for. At lambing-time we made "ewe powders;" in the winter cordials and cough drinks for horse and cow; and at all seasons of the year medicines for farm and stable stock. In addition, grosses of teething powders, epsom salts and baking powder were packed for the counter trade, along with a variety of pills—liver, antibilious, gout and rheumatic —which were massed, rolled and rounded in the back

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shop. Prescriptions were few and far between, but counter-prescribing was now discourage and compounding galenicals and proprietaries—Digestiv Syrup, Neuralgia Mixture, Quinine and Iron Tonic-was part of

the day's work.

Our "guv'nor" was a youngish man who had acquired the business, then nearly a hundred years old, from the elderly pharmacist for whom he had been manager. He was enterprising, and in the second or third year of my apprenticeship opened a branch lock-up shop of my apprenticeship opened a branch lock-up snop of which after a while I, then in my late 'teens, was put in part charge. I remember "sign-writing" the labels for all the shop rounds and the descriptive show cards for the "own proprietary" medicines and other pharmaceuticals. Even cleaning the windows and washing the floor was not regarded as beneath the dignity of an apprentice, and I am sure the experience did him

"Rate for the Job"

On the academic side, a newly-opened technical institute offered evening classes in chemistry and botany, and attendance at them provided a useful basic

knowledge of the subjects.

I wonder if the student of today would agree that practical and academic training of this kind had a value greater than was represented by the apprentice's wags of a shilling a week for the first three years and two shillings for the fourth!

A PHARMACIST'S PLEA

Melancholy and other reflections of correspondents on reading the lines on "Prescriber's Placebo" ("A.J.P., 30/6/58, p. 679)-

I don't think we'd care much which measure The Doctors decide to prescribe.

We'd have much more pleasure—and leisure— If they'd teach their students to "scribe."
We 'phone to discover the meaning
Of hieroglyphics set down.

The Secretary answers, beaming, "Hello. No, he's just gone to town." A typewriter with metric keys on Would fill the bill nicely for us; Give far better chance for a lesion

To quickly resolve without fuss.

-D.I.F.

Dispenser's Deduction to Prescriber's Placebo!

Pertaining to "old fashioned" minims and grains, To scruples, to drachms and the like, How odd it will seem when they're cast down the drain And proceed on their ill fated hike.

Dispensers in cities, on plains and on hills For centuries, with them compounded,

The potions and pills for the thousands of ills Being suffered by those who were "grounded."

But now we are told "It isn't the fashion,

This clumsy and outmoded scruple. With practice and patience and maybe some passion You'll soon be a gram minded pupil!"

So it's decimals and mils for our freshly made pills (We won't care a hoot if we buy them)

And litres and grams for prescription refills

May they always be "ad infinitum." We're wondering however (and not without smiling)
Just how the new method will "take."

If decimals and dashes be misplaced in writing Dispensers will call it a "fake."

The art of prescribing completely is lost. Who cares for a dram OR a mil?

It's easier, far, irrespective of cost, To prescribe a proprietary pill. It's easier too for the patient to read it

And over the counter to buy!
Why worry the Medico when next he is needed? I'm asking you all now-just why?????

-C.G.

eur



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Used by all age groups.

Relieves congested and swoffen mucous membranes.

Clears blocked bronchial pass

Reduces unproductive cough.

Has a strong demulcent

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nasal spray

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DRUG CO. (AUST.)

e Australasian JOURNAL OF PHARMACY, July 30, 1958 iii

2 NEW

counter pharmaceuticals

have been added to



range

Both have a general demand and moreover show the retailer a mark-up of at least 75% on cost in the case of "Viso" and at least 51% on "Mylol".

'VISO'
EYE DROPS

An antiseptic; soothing application for sore and tired eyes.

Available of deplay cartons containing a pourte dropper bottle

6 charged and 1 bonus:-

Wholesale Price 3/8 each Retailing at 5/6 each The profit on each outer is, therefore.

16 6 or 75% on cost!

2 'MYLOL'
INSECT
REPELLANT

For easy application to the skin; provides maximum protection against insects.

Available in display cartons containing six bottles

Wholesale Price 1/5 each Sales Tax Retailing at . . . 2/5 each



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CP 7/58

A NEW AUSTRALIAN MEDICAL SCHOOL

It is exciting to contemplate the long-overdue rebuilding of some of the medical schools in this country —for example, at Liverpool. But how much more exciting to welcome a completely new school! Men and women of Western Australia wishing to study medicine have had to leave their home State, usually for Adelaide, for the preclinical and clinical years, and in 1955 the Government decided to establish a medical school at Perth-provided that the University could show that public opinion was in favour by the stringent test of raising £400,000 by appeal (the population of the State is less than 700,000). The result of the appeal was unequivocal, for more than £500,000 was subscribed, and plans for a new school were begun; and on April 10 Sir Charles Gairdner, the Governor, formally opened it.

The Faculty of Medicine is the ninth in the Univer-The Faculty of Medicine is the finith in the University. Teaching began with the academic year in 1957, when a first-year class of 85 students was enrolled, and 16 Western Australian students who had been studying at Adelaide began their sixth-year work at Perth. The departments of anatomy, physiology and biochemistry began teaching in March.

The school buildings are not yet complete; but more

The school buildings are not yet complete; but more interesting than the prospects of new buildings are the prospects for teaching and research. In designing its teaching programme the new school is doubly free, for not only has it no traditional curriculum, but also it begins work at a time when the General Medical Council has relaxed its detailed control and permits experiments. Until 1957 the Council had been precise and detailed, and while its influence had certainly maintained an adequate standard of education in English and Australian medical schools, it had tended to stifle individual enterprise in the framing of new forms of teaching or new approaches to the medical curriculum. Today the staff have an opportunity for boldness. For research there is ample money available, since, besides several bequests made in the years before the appeal and a gift to establish a research foundation (primarily for investigation of cardiovascular disease), £250,000 of the appeal moneys has been set aside for research and special projects, and the balance, beyond the sum needed to establish the school, has been used to form a permanent endowment fund. We send our greetings and good wishes to all concerned in the new school.—Extract from "The Lancet," May 17, 1958.



"I realise, of course, Jones, that you translate very freely from the original Latin, but 'wop two drops up the snozz'—I mean to say!"

Classified Advertisements

The charge for these Advertisements is 4/- per line, with a minimum of 12/-, payable in advance

TO LET, Oakleigh South (Vic.), L.U. SHOP, suitable chemist. £11 weekly, also shop and dwelling. For particulars apply R. Robbins, UM 7991 (A.H. UM 6834.)

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> BUNDABERG HOSPITALS BOARD SENIOR DISPENSER

Applications are invited from qualified persons registered in Queensland, for the position of Senior Dispenser, Bundaberg General Hospital. Salary, £1155½ p.a., subject to basic wage adjustments. Applicants to state qualifications, marital status, particulars of experience, registration and war service. Annual leave, 3 weeks p.a. Sick leave one week full pay, one week half pay for each year of service. 40 hours per week of 5 days only. Applications to be lodged with the Secretary, Hospitals Board, Bundaberg.

QUEENSLAND COUNTRY PHARMACY FOR SALE. In excellent grazing area—no opposition. Takings guaranteed over £200 per week. Stock, fixtures and fittings at value, approximately £3,300. Goodwill £900. Modern home also available if required. Replies to "No. 28758," c/o "A.J.P." Office, 18 St. Francis Street, Melbourne.

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Commonwealth and State News

W SOUTH WA

PERSONAL and GENERAL

State News

Members desiring publication of personal items of interest are invited to write or telephone details to the Journal Correspondent in N.S.W. Phone BU 3092.

Better be foolish with all than wise by yourself. -French proverb.

Mr. L. U. O'Connor has purchased Dash's Pharmacy, 52 Moseley street, Strathfield.

Mr. Mervyn M. Owen has purchased Miss G. Mc-Farlane's pharmacy, 134a King street, Newtown.

Mr. S. McD. Pooley has purchased Mr. E. J. Poulton's pharmacy, 417 Park road, Regents Park.

Mr. J. R. O'Sullivan has purchased Mr. R. Dean's pharmacy, 249 Ocean View road, Ettalong.
Mr. J. B. Mead has opened a pharmacy at 36 Station

street, Waratah.

Miss L. E. Bearup has opened a pharmacy at 29 Georges crescent, Georges Hall.
Mr. R. P. Larkin, late Wagga, is now in business at 137 Macleay street, Potts Point.
Messrs. B. M. Dash & Son are now conducting the

pharmacy at 14 The Boulevarde, Strathfield. Mr. John Robinson, of Coniston, has sold his phar-

macy to Mrs. B. M. Plaskitt.

Vale G. N. Newton.—We regret to record the passing of Geoffrey N. Newton, 286 Pacific highway, Hornsby.

Miss G. McFarlane, of Newtown, is travelling abroad, and will visit the British Isles.

Mr. Eric Cloak is the proprietor of the Station Pharmacy, Railway Station, Lakemba.
Mr. P. J. Baldwin, formerly General Manager of

Hallams, is now in business at 168 Hunter street, New-

Mr. G. J. Johnston, late of Blackheath, is now the proprietor of the O'Connor Pharmacy, 7 Sargood street,

O'Connor, A.C.T.

Mr. P. F. Minahan, formerly of West Wyalong, has transferred to Victoria, where he is now in business

at Dandenong Mr. G. G. Benjamin has purchased the pharmacy of Mr. G. E. Miles, 59 Padstow parade, Padstow. Mr. Benjamin is a Councillor of the Pharmaceutical Society of New South Wales.

PERPETUATION OF THE MEMORY OF THE LATE COUNCILLOR TOWNLEY

Attention is directed to the paragraph under this heading in "The Month" section.

WITHDRAWAL OF AUTHORITY UNDER POLICE OFFENCES (AMENDMENT) ACT

The Under Secretary, Chief Secretary's Department, has advised that notification was published in the Government Gazette of July 1, 1958, of the withdrawal as and from July 28, 1958, of the authority of Dr. John Frederick Marrington. 49 Barker Road, Strathfield, to procure and be in possession of drugs to which the Police Offences (Amendment) Act applies, for the purpose of his profession and to issue prescriptions for such drugs. The authority has been withdrawn by the Minister

in terms of Regulation 25 under the Act.

GUILD ANNUAL GENERAL MEETING

The Annual General Meeting of the Guild will be held in the Stawell Hall, 145 Macquarie street, Sydney, on Monday, August 18, commencing at 8 p.m.

The meeting may be attended by Guild members only. TRAFFICKER IN OPIUM FINED £100

A Goanese, said to be a trafficker or intended trafficker in opium, was fined £100 in the Special Court, Sydney, on July 21.

The Goanese, Jose Baretto, 48, a captain's steward on the motorship Chupra, pleaded guilty to being in

possession of opium, a prohibited import.

Nathaniel Patrick Craig, a special investigating officer of the Customs Department, told the Court that Baretto threw 101 lb. of opium into a lifeboat soon after it

had been searched by Customs officers.
Mr. M. J. McCauley, S.M., said: "It is conclusive that Baretto was trafficking or intended to traffic in opium.

I must take a very serious view."

Mr. McCauley was told that the Chupra traded between India and Australia.

CHARGE OF FRAUD OVER H.C. FUND

A former inspector of the Hospital Contribution Fund of N.S.W. was committed for trial in the Central Court of Petty Sessions on a charge of embezzlement.

The former inspector, Donald Simmons, 33, of Torrington road, Maroubra, allegedly embezzled £1876/16/11 between July 1, 1957, and May 28, 1958. Simmons, who told Mr. A. N. Bott, S.M., he intended

to plead guilty to the charge, was allowed £200 bail.

A statement alleged to have been made by Simmons said that he paid money from one agent into the fund to the credit of another agent from whom he had previously collected money. He first took money to assist his family. He had a wife and child and both of his parents were ill.

'After I took money I got frightened and took more and gambled with it to see if I could straighten things out," the statement added.

A.N.Z.A.A.S. MEETING, ADELAIDE

The following papers are being given at the Adelaide Meeting of A.N.Z.A.A.S. by members of the Pharmacy Department, University of Sydney:—

The Stability of Chloramphenicol in Buffer Solutions, by N. Broadhurst and S. E. Wright.

A Study of the Stability of Atropine Eye Drops A.P.F., by Janet George. Paper Chromatography of Food Colours, by G.

Graham and G. Holder.

Analysis of Mixtures of Sodium Bicarbonate and Sodium Citrate, by F. Michael and T. R. Watson. The Effect of Molecular Structure on the Hepatic Excretion of Cardiac Glycosides, by Elizabeth Cox and S. E. Wright.

The Metabolism of Acetyl Digitoxin, by J. Martin and S. E. Wright.

Changes of Digoxin Content of Digitalis Lanata During Drying Processes, by Raimonde Reilly and S. E. Wright.

A Study of the Apical Meristem of Digitalis Lanata, by Dorothy A. Thorp.

Pharmaceutical Education in South Africa and Australia—Some comparisons, by Dorothy K. Large.
The Use of Radio Isotopes in the Study of the Metabolism of Steroids, by B. T. Brown.

NEW SOUTH WALES—Continued

ALTERATIONS TO POISONS REGULATIONS

Recently several important alterations to the Poisons Regulations were gazetted. Their effect is as follows:

1. Derivatives of alkaloids as well as their salts are

now included in the First Schedule (parts One or Two according to their concentration). This now brings such substances as Atropine Methonitrate (Eumydrin) and Hyoscine Methobromide (Buscopan) under official control.

Where "polishes" appear in exemptions to Schedule One, First and Second Parts, this has been altered to "polishes (unless containing Hydrocyanic Acid or its salts)." This has been because of the danger in the use of Potassium Cyanide in some metal polishes offered for sale.

Tolbutamide and Carbutamide and other oral antidiabetic drugs have been added to the Third Schedule (Restricted Drug) list.

 All derivatives of 2-Aminopropylbenzene (Amphetamine) are now Restricted Drugs. Thus whereas only N-alkyl derivatives were previously controlled under Third Schedule, such derivatives as Propylhexidrene are now included.

Tylrothricin has been added to the list of Restricted Drugs which may be supplied to a dentist or upon his prescription. There is also no limit now on the quantity of Penicillin which may be supplied to a dentist, although he may prescribe no more than 1,800,000 units for a patient at any time.

A previous amendment excludes cosmetic preparations containing not more than 10,000 international units of oestrogenic activity per ounce from the Third Schedule (Restricted Drug) requirements.

DOCTOR'S PHYSICAL CHANGE ALLEGED

A doctor who police allege is undergoing a "physical change" appeared in Parramatta Court of Petty Sessions on a number of drug charges.

The doctor, Cecil Herman Wirth, 58, resident medical officer of Parramatta District Hospital, pleaded not guilty to all charges.

There are six charges of obtaining drugs by false pretences between January and May this year and one of failing to keep a register of dangerous drugs between January 9 and July 2 this year.

When Wirth was before the Court on July 2, the police prosecutor, Sergeant G. Fryer, said: "We allege that the names and addresses of the persons on the prescription for which he obtained drugs were false. prescription for which he obtained drugs were false. It also is suspected that he may have used the drugs himself, but we are not able to prove that. In Wirth's interests it might be desirable to refuse bail. If he is detained in prison he could be visited by a psychiatrist. There is an obvious physical change in process and Wirth himself says he is embarrassed by it." He said that relief fauth were the results of the said that relief fauth were the said that that police found women's clothing in Wirth's room.

Sergeant Fryer also said there was a possibility of Wirth being suspended by the British Medical Association

Wirth told the Court on July 2 that he had not been taking drugs. He said he had a housekeeper in East Berlin to whom he sent clothing.

When Wirth appeared in court he was represented

by Mr. J. Lobb, who asked for a remand because Wirth had been in custody since July 2 and had not been

able to instruct him adequately.

Mr. F. A. Gillespie, S.M., adjourned the hearing until July 30 and allowed Wirth £200 bail.

PERSONALITIES AT THE ANNUAL DINNER



The Australasian JOURNAL OF PHARMACY, July 30, 1958

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Whether you plan the replacement or addition of a simple counter case or a complete remodelling, you will receive the same helpful, courteous skilful service.

Enquiries are invited from Chemists in N.S.W.

Transportation costs prevent our carrying out modernisation of pharmacies in other States.



Another Modern Pharmacy Design by Bray & Holliday

The Corso, Manly, is one of Australia's famous thoroughfares; retailers fortunate enough to be located in this outstanding business area must use their advantage to the full—and that means the most up-to-date of store fittings.

In the up-to-the-minute pharmacy of Mr. H. C. Aiken every square foot of available space is used to best advantage for effective display and efficient customer service. The illustrations show typical portions of the layout.



Planning and fitting out of pharmacies is a highly specialised job, to cope with many problems not met with in other retail fields. Bray & Holliday have for more than a generation specialised in pharmacy design, and have among their clients a big proportion of Sydney's leading pharmacies.

For pharmacy modernisation consult

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Telephone FA4121

Another Sales Increase!

KOTEX* Double Pack at NEW low price, NOW 5/6

Effective June 16

Your customers save 4d, by buying this double pack. The double pack also means you sell a second pack where, otherwise, the sale might have gone somewhere else. The double pack is also a convenience for your customers . . . they are always sure of having a reserve supply of napkins.

With all these advantages, the Kotex double pack gives you a much higher unit sale... and increases your sales.

Full-page and half-page advertisements are appearing in The Australian Women's Weekly, Woman's Day and leading newspapers, advising your customers of this big price saving.





EXTRA PROFIT...

Kotex feminine napkins show you more profit per pack than other napkins—in all packings.

Rotex napkins...now combined with Kotex* belts. Improved terms and conditions of our new price list now give you this opportunity to increase your profit margin on Kotex feminine napkins — 2's, 12's and 24's can now be assorted with Kotex Belts — giving you more profit per packet of Kotex than for other napkins. Quantity conditions of the Kotex and Kotex belt assortment now become 4 cases, 8 cases and 25 cases. 3 dozen belts qualifies as one case.

Mr. Retailer — this is EXTRA PROFIT FOR YOU!

See our new retailers' price list
— effective from 16th June. It
contains further opportunities
for increased profits for you on
our other products as well.

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*Registered Trade Mark.

KK391

NEW SOUTH WALES-Continued

ASSOCIATION OF CHEMIST BOWLERS N.S.W.

The Annual General Meeting of the Association was held at the North Sydney Bowling Club on July 9 at 8 p.m. A good attendance was recorded, and the result of the election of officers for the next 12 months was as follows:-

President: K. Jordan.

Past Foundation President: R. Hawkins.

Vice-Presidents: R. Crawford, R. McCaughey and T. Redmond.

Hon. Secretary: N. Berry.
Hon. Treasurer: W. Allman.
Hon. Auditor: J. Witt.
Committee: C. Hart, V. Phillips, K. Thomas, A.

Jones, A. Collerson and R. Lyon.

Membership continues to expand, and many pleasant days have been spent during the past 12 months. It is not unusual to have over 80 players attending the bi-monthly outings.

Members are looking forward to the next Interstate carnival, which will take place in Brisbane from September 14 to 20, and as evidence of their enthusiasm the N.S.W. Association exceeded their quota of players in the first fortnight of July and regretfully had to close the list.

MAN FEIGNED PAIN TO GET DRUG INJECTION

Detective-Sergeant C. Abbott, of the C.I.B. Drug Squad, gave evidence in the Central Court of Petty Sessions, Sydney, on July 21 that a man, to get pethidine injections, falsely had pretended to three doctors he had been in a car smash.

Police charged Raymond George Clare, 32, labourer, of High street, North Sydney, with having falsely pretended to three doctors in May that he had been in a car smash and was in pain. Detective-Sergeant Abbott said Clare had:

Received an injection of pethidine and a prescription for six more injections from an Arncliffe doctor on

Gone to a Glebe doctor the same day and had received another injection of the drug.

Received another injection from a Potts Point doctor on May 17.

Detective Abbott said several other doctors had reported that Clare had told them the same story about a car accident to get an injection of pethidine. He said Clare had said he had become addicted to pethidine after medical treatment in 1952. He added: "Clare has served long gaol sentences. Immediately he gets out of gaol he resorts to his practices. He usually hires a taxi, feigns a complaint, visits a doctor to get his drug, and evades the taxi fare."

Mr. Spence, S.M., sentenced Clare to three months'

FINE ON CHARGE OF SELLING ADULTERATED DRUGS

A Chatswood chemist had in his stock headache tablets that were packed in November, 1950, North Sydney Court was told recently.

The chemist, K. E. Hinton, 287 Victoria avenue, fined £30 by Mr. Bott, S.M., on a charge of selling adulterated drugs.

A. W. Morgan, a Board of Health inspector, said in evidence that he visited the shop with Inspector James, also of the Board of Health, on May 30 last. He said James bought 20 headache tablets in a container bearing Hinton's label. Morgan said the tablets had a pungent, distinctive odour and a coating of crystal. In his opinion, he said, they were in a very deteriorated condition. Morgan said when he entered the shop Hinton told him the tablets were six months old. A check with the makers indicated that the serial number on Hinton's bulk supply showed the tablets were packed in November, 1950.

He said a quantity of other drugs and tablets appeared also to be in a deteriorated condition.

Mr. R. Jennings (for Hinton) said that Hinton operated the pharmacy alone. He said the tablets had been sold inadvertently, and it was not Hinton's intention to sell them to the public.

AN INVITATION TO PHARMACISTS AND FRIENDS

The Royal Australian Army Medical Corps will be holding its Annual Corps Day Celebration Ball on Friday, September 19, at "P" Block, Victoria Barracks, Paddington.

A hearty invitation is extended to all pharmacists or friends in pharmacy, whether ex-members of the Medical Corps or not, to organise a party and attend this enjoyable evening.

Dancing, to a five piece orchestra, will be from 8 p.m. 2 a.m. Supper will be provided and other refreshto 2 a.m. ments will be available.

Tickets at 20/- each may be obtained from Major E. W. Pretty, P.O. Box 64, Maroubra (phone FJ 1735), or Captain F. Bourke, c/o D.D.M.S. Office, Victoria Barracks, Paddington (phone FA 0455 Ext 491), and cheques should be made payable to the "R.A.A.M.C. Corps Day Fund."

MEETING AT WOOLLONGONG

Mr. K. H. Powell, President of the Pharmaceutical Society, and Mr. R. Thomas, the Woods Scholar, were present at a meeting of the Illawarra Chemists Zone on June 22.

Mr. Powell mentioned the excellent response to the Society's Call, of which £4000 has been paid to the University, and also mentioned the generosity of Mr. Cutler, who had made an additional donation of £21. There might be several in the area who would feel disposed to do likewise.

The members were informed of the decision of the University to commence the full academic course in 1960, and after several pertinent questions had been answered they expressed complete satisfaction with the culmination of many years' activity.

Mr. Gudgeon and Mr. Powell, who had both attended the Civil Defence School recently, then informed the meeting of the "threat" and the measures that are envisaged to meet the problem of an atomic attack both from the viewpoint of the general populace and from the pharmaceutical angle.

Mr. Powell also referred to the policing of the Poisons Act by both the Pharmacy Board and the Police Department. Any defaulters would be prosecuted to the full by the authorities.

After lunch Mr. Thomas gave a most informative lecture on emulsions, suspending agents and the pre-paration of eye drops by the A.P.F. method. He illus-trated his lecture with diagrams and by practical demonstrations with equipment and chemicals he had brought with him.

Mr. Reddan expressed the thanks of all those present Mr. Reddan expressed the thanks of all those present to the Society for being able to bring to the country a lecturer of such calibre. The men in the country had for years been missing out on such things, and they hoped that the Society would continue with this new approach to the man in the country. He also thanked Mr. Thomas for giving his time to come to the Zone—the members had thoroughly enjoyed an interesting lecture. interesting lecture.



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- MANUFACTURING CHEMISTS
- MANUFACTURERS' REPRESENTATIVES

Suppliers to Chemists of Drugs, Chemicals, Patent Medicines, Ethical Preparations and Chemists' Sundry Lines



NEW SOUTH WALES--Continued

PHARMACY BOARD

Monthly Meeting

The Pharmacy Board of New South Wales met at 52 Bridge street, Sydney, on July 8, at 8 p.m.

Present.—Mr. C. Gostelow (Chairman), Messrs. G. Simpson, G. Mallam, E. Dempster, K. Cartwright, K. Thomas, G. Harman and Dr. S. Wright.

Payment of Fees to Members.—The Under Secretary's advice in this matter was noted.

Inspector's Reports.—The Registrar submitted details of pharmacies visited and offences detected.

The Board decided to prosecute in thirteen cases.

Applications for Registration were approved as fol-

(a) Having passed Qualifying Examination: Poppy Harris and Colin McGregor Snodgrass.Klara Saltzer (Mrs. Salter) was registered under sec-

tion 11 (2)

(b) By Reciprocal Agreement: Francis George Jameson (from Great Britain) and Ronald Stuart Milner (from New Zealand)

Names Restored to Register.—Section 8: Charles Maxwell Morris and Leonard Wilfred Read.
Section 9: Ronald McKenzie Beesley (consent of the Governor received) as at June 20, 1958.

Foreign Chemists: Report of Sub-Committee, re Mrs. C. Serstius, Holland.—It was decided to recognise the certificate held by this applicant and to recommend to the University that she be required to attend the lectures and pass the examinations in Chemistry I, Botany I and Materia Medica.

Certificates of Identity were granted to Allen Brian Thomson, Robert Bruce Salisbury, Ian James Turner, James Gary Findlay, Alan John Endersby (all to Great Britain), Paul Francis David Fallon (to Queensland), Peter Alexander Hislop (to South Australia), Anne Mc-Guinness (to Ontario, Canada) and Marcus Snyder (to Victoria)

Apprenticeship Indentures.—Registrations comprised one new indenture, 4 transfers and 1 cancellation.

Poisons Act .- Deaths from the following poisons were

noted: Barbiturate 1, Carbromal 1, Lysol 1.
Correspondence.—From a Veterinary Surgeon, re alleged diagnosis and treatment of animals by pharmacists.
The Registrar was requested to furnish a reply to one inquiry and to refer him to the Veterinary Surgeons Board in regard to the remainder.

Training of Pharmacists: Commencement of Degree Course in 1960.—The Board noted with pleasure that the University would be able to start the Degree Course in

PHARMACEUTICAL SOCIETY

Council Meeting

The Council of the Pharmaceutical Society of New South Wales met at "Science House," 157 Gloucester

South Wates met at "Science House," 157 Gloucester Street, Sydney, on July 1, at 7.45 p.m.

Present.—Councillors K. H. Powell (Chairman), E. G. Hall, K. A. Cartwright, M. Sweeney, H. W. Read, S. E. Wright, W. R. Cutler, O. G. Benjamin, S. Palfreyman, A. F. Winterton and J. F. Plunkett.

Minutes.—Councillor Wright said that the minutes were incorrect in one respect. Under the heading "Proceed Science Crown Lecture on the new Pharmaco-

posed Science Group Lecture on the new Pharmaco-poeia," it was stated that he had said the new B.P. would officially operate in N.S.W. in September next. Actually he had stated that the new B.P. would officially come into force in Great Britain in September next.—It was decided to amend the minutes accordingly and to confirm them otherwise as a correct record.

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Perpetuation of the Memory of the Late Councillor Townley.—Councillor Wright said publicity meant bringing the Memorial Scholarship under the notice of the bodies pharmaceutical.

Councillor Cutler suggested a news item in the "A.J.P.," in the front part of the "A.J.P." news of the month.—Agreed.

Report on Civil Defence School, Macedon,—Mr. Powell said that a large volume contained the report in full. Each delegate had been given one of these precis. He had obtained a spare copy for the Society's record.

The purpose of the school was twofold—(1) to acquaint the delegates of the problem of Civil Defence against nuclear attack, and (2) to learn from the school the answers to the problems posed.

Mr. Winterton said that the school had been divided into three groups, which again came together to pool their ideas and put them before the whole school assembled.

Councillor Wright said that measures should be preventative rather than defensive.

Further discussion was deferred until the recommendations had been received from the Defence School at Macedon.

Proposed Lecture on the B.P.—It was decided to have a lecture on the new B.P. late in September.

It was further decided to have a lecture by Mr. Barry Brown on the Chemotherapeutics of Cancer, in late October next.

It was decided to book the Stawell Hall for both dates.

Report on Interviews with Manufacturers.—Mr. Powell said that he had seen Mr. Gregory, of Wyeth, and Mr. Kennedy, the Public Relations Officer of the Ethical Manufacturers. A visit had also been paid to Mr. Phillips, of Nicholas.

It was proposed that in company with Councillor-Wright, he should address a general meeting of the Ethical Manufacturers. This was suggested by Mr. Kennedy.

A letter had been received from Kodak (A'asia) Pty. Ltd., enclosing a cheque for £500.

It was suggested that the President should interview the Vice-Chancellor, pointing out that approaches were being made to the ethical manufacturers to contribute towards the provision of equipment for laboratories. The Vice-Chancellor should be asked for details of the University's plan in order that appropriate requisition could be made upon the ethical manufacturers.

It was decided that the President should interview the Vice-Chancellor on July 16 regarding the Society's proposals for raising money to equip the new pharmacy laboratories.

Hospital Pharmacists' Organisation.—Mr. Powell said he had attended a meeting on the night of June 25, in company with Mr. Winterton. Two views were expressed. Finally it had been decided to ask the Society for authority to name the new organisation the Hospital and Manufacturing Pharmacists' Group of the Pharmaceutical Society.

After further discussion, it was decided to approve the suggested name subject to the submission of a final set of rules acceptable to the Society.

Proposed Pharmacy Week.—Mr. Plunkett said that the Pharmacy Week proposal referred to a suggested exhibition in the Lower Town Hall, supported by the Ethical Manufacturers. Filling capsules, distribution of samples, etc., would appeal to the public. Supplements in the press, TV interviews and talks.

The Lower Town Hall was available at the following rates:—First day, £80; second day, £75; third day, £70; £65 per day thereafter. Eight days would cost £550.

Mr. Powell said people booking the Lower Town Hall

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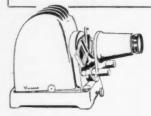
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NEW SOUTH WALES-Continued

had to pay for the day before and the day after the exhibition (10 a.m. to 10 p.m., twelve hours).

The stalls were not provided by the Town Hall, but general lighting was. The exhibitors must arrange their own lighting and set up their own stalls.

Mr. Hall said the final sum which must be borne could aggregate £1,000 to £1,200.

It was decided that a small committee be set up to explore and report on all the ramifications of a Pharmacy Week, and that such committee consist of the Executive, plus Mr. Benjamin and Mr. Palfreyman.

Mr. Plunkett said the Pharmacy Week would take about 12 months to organise properly.

Address at Wollongong.—Mr. Powell said that the visit to Wollongong on June 22 had been very successful. The meeting appreciated Mr. Thomas's practical demonstration.

A visit would be paid to Newcastle on July 16. Arrangements had been made accordingly with Mr. Harold Menson.

Presentation of Registration Certificates.—For the second ceremony, to be held on October 21, it was decided that the President should inform the President of the Pharmacy Board that Pharmacy Board members were welcome to attend the ceremony.

"Daily Mirror" Supplement.—Mr. Powell said he had been invited by Mr. Attiwill to contribute two articles to the "Daily Mirror" Supplement.

Correspondence.—Under Secretary, Department of Health, intimating as directed by the Minister for Health that the Vice-Chancellor, University of Sydney, had advised that the University would be ready to institute the three-year degree course in Pharmacy to begin in 1960. Noted.

Kodak (A'sia) Pty. Ltd., enclosing a cheque for £500 as a contribution towards the School of Pharmacy at the University of Sydney. Mr. Powell said that a letter of thanks had been sent to Kodak.

Pharmaceutical Association of Australia, attaching an A.P.F. Revision Report from the Pharmaceutical Society of Queensland.

The Branded Bottle Association of N.S.W. Ltd., Alexandria, re survey of accident cases at the Royal Alexandra Hospital for Children. Received.

Pharmaceutical Society of Tasmania, considering ways of creating more interest among country members. Asking if the Society issues any form of bulletins. The Secretary said that copies of the "Digest" had been sent to Mr. Tapping.

Australasian Pharmaceutical Publishing Co. Ltd., acknowledging advice that Mr. W. R. Cutler is now the Director for N.S.W.

Mrs. D. Townley, Haberfield, thanking the Council for their kind gesture in founding a Memorial Scholarship to perpetuate the memory of her husband, the late J. L. Townley. Mrs. Townley's letter was read to the meeting.

New Members Elected.—Mrs. Elizabeth Catherine Cox, Coogee; Brother William Dunkley, St. Joseph's College, Hunter's Hill; Miss Poppy Harris, Kensington; Miss Nina Mary Malseed, Sydney; Frederick Malcolm Needham, Roseville, and Francis George Jameson, East Roseville (from Great Britain).

Advanced to Full Membership.—Garry George Graham, South Hurstville, and Trevor Darrell Stewart Green, Earlwood.

Associate Members.—Anthony Michael Cawley, Miss Helen Mary Seale, and Donald Frederick F. Stewart.

The meeting closed at 11 p.m.

IV. Gillmore

TLEMEAGN STREET, SYDNEY

THE GUILD

S.B.C.Meeting

The State Branch Committee of the New South Wales Branch of the Guild met at Science House, 157 Glouces-

Present.—Messrs. L. W. Smith (Chairman), W. F. Pinerua, R. W. Feller, K. W. Jordan, R. S. Leece, W. G. Sapsford, R. L. Frew, C. D. Bradford, J. N. Young, K. A. Cartwright, and K. E. Thomas.

Guild Merchandising and Publicity Programme.—It was reported that the final draft from the advertising agents, Nichols-Cumming, had been accepted by the Victorian Committee

Annual General Meeting .- The Chairman drew attention to the fact that the Annual General Meeting be held on Monday, August 18, in the Stawell Hall.

Reports of Sub-committees were dealt with

(A.) Trade and Commerce.

Federal Trade and Commerce Conference, August 4 and 5, in Melbourne. The following remits were presented for discussion:-

That a complete review of the retail lists be made by the Federal Merchandising Department, in order to bring all "C.O." lines into line with the Guild policy of a minimum mark-up of 50 per cent., and all other lines (excepting food products) up to a minimum of 33½ per cent.

When the price structure of new lines, or the altered price structure of existing lines, does not conform with Guild policy, and the Guild is approached, or approaches the firm concerned, on a State basis; then after pre-liminary discussions by that State, negotiations be car-ried on immediately by the Federal Merchandising Department and all States be kept informed of the progress of negotiations.

The remits as presented were adopted for reference to the Trade and Commerce Conference.

Trade and Commerce Agenda.—Mr. Jordan referred to the agenda, the third item, Hire Purchase—Photographics.

Jumbo Prints.-It was stated that this stunt was not

persisting in New South Wales.

Price Tickets.—There should be a series of tickets with some blanks. It was decided that the number of sizes should be three.

"Gilseal" Lamps.—Discussion took place concerning the dull emitter type and the filament lamps. It was agreed that possibly the two types should be available, as some people did not realise that the dull emitter type was radiating infra-red rays.

Hot Water Bags .- Not supported.

Ipana—Advertising on TV.—A member drew attention to the fact that chemists were not mentioned in Bristol Myers' advertisement for Ipana on TV.

Illegal Supply of Restricted Drugs by Wholesaler.—
A drug house was dispensing drugs of a restricted nature by means of cash sales to employees. It was decided to bring under the notice of the Wholesale Distributors' Association the fact that certain of its members were calling restricted drugs to members of the terms. selling restricted drugs to members of the staff.

Leukoplast.-Martin & Co. had written, stating they propose to resume the general distribution of Leukoplast through all ethical houses. A member enquired if the margins would be the same when distributed through wholesalers. It was decided to refer the matter for discussion at the Federal Trade and Commerce Conference.

Kimberly-Clark New Parcel.—A complaint had been received. The parcel was no longer a composite parcel. It was decided to point out the new conditions in the Guild Service Bulletin, to protest against the new conditions to Kimberly-Clark, and to refer the matter to the Trade and Commerce Conference.

William Cooper and Nephews.-Re Kennel Clubs.

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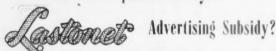
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NEW SOUTH WALES-Continued

Suggesting that chemists give kennel clubs a discount of 10 per cent. to 15 per cent. It was decided to reject the suggestion.

(B). DISPENSING.

Dispensing for Public Hospitals.—Dealing with the proposed new agreement with the Hospitals Commission, investigations had been made in country areas. Copies of a proposed agreement had been circulated to the members of the committee. The law was being evaded. Hospitals bought 20 oz. bottles from the Government Drug Stores and put these bottles in the ward.

Pharmaceutical Benefits.—New regulations operating from July 1. It was noted that the sulpha drugs had been changed to 40 maximum quantity. The manufacturers had been contacted by the Commonwealth Health Department on this matter, but no attention had been drawn to the reduction in the official circulars issued by the Commonwealth Health Department.

The Ullage table had now been discarded, and broken quantities would be worked out in accordance with the Thomas table.

(C). PRICING.

Mr. Thomas said that a report of the meeting held on June 18 had been circulated, together with the report of the Pricing Officers' Conference held at Melbourne.

It was decided that the dispensing and pricing subcommittees should meet to devise a scale of dispensing fees.

A statement showing a comparison of States' dispensing fees was circulated.

Poisons Schedules.—Mr. Thomas presented quotations for printing. It was decided to get a further quotation.

Mr. Frew referred to the price over the counter for Mist A.P.C. Mr. Thomas explained the attitude of the State Branch Committee in this regard.

Larger Packs of Ethicals.—Mr. Frew asked if the list was being prepared. Mr. Thomas said it was under way.

Mr. Thomas said he had had a long conference with a sales tax official regarding the sales tax on drugs. The new D.D. Tariff would contain a new schedule of markups and loading, and Miss Linnane was working on it.

Patent List.—It was decided to include punch holes in the Patent List in future.

Meeting of Metropolitan Zones.—Mr. Frew said that a Zone had not been formed in the King's Cross area, but the City Zone was prepared to take in the King's Cross pharmacists.

It was decided to put this proposal before the King's Cross pharmacists.

Nomination for Election as Officers of the State Branch Committee.—It was decided that nominations should close on August 14.

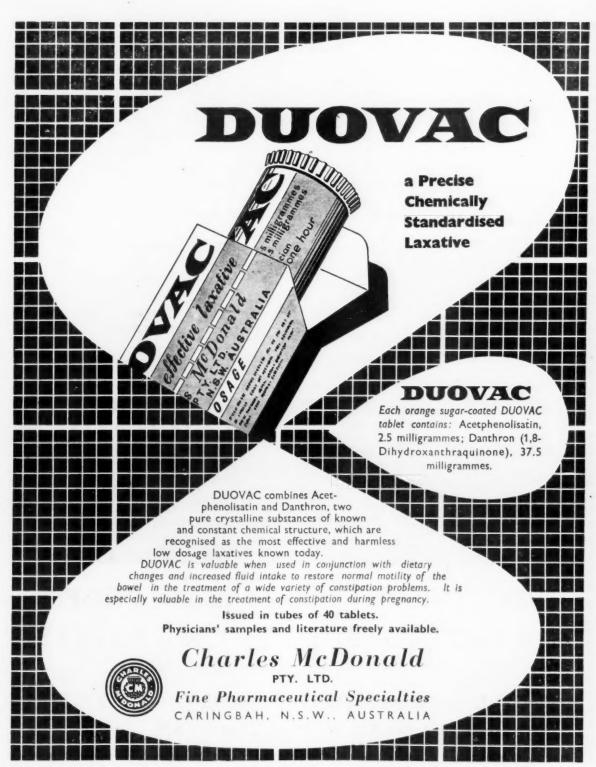
Correspondence.—From Federal Secretary, advising the Annual Meeting of Federal Council will commence on October 26. Remits to be in by August 26.

From Federal Secretary, advising that Mr. B. T. Brown, Pfeiffer Scholar, will present a paper at the forthcoming Science Congress in Adelaide. The Federal Executive suggested that as Mr. Brown is a resident of Sydney he could give a talk to Guild members in New South Wales. Matter to be listed for further discussion at next meeting.

New Members Elected.—Miss Lois Edith Bearup, Georges Hall; George Gerald Benjamin, Padstow; E. C. Cloak, Lakemba; John Bruce Mead, Waratah; John Robert O'Sullivan, Ettalong; and Sydney McDonald Pooley, Regents Park.

Reinstatements.—Leonard Unsworth O'Connor, Strathfield, and Mervyn Melville Owen, Newtown.

The meeting closed at 11.5 p.m.



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PERSONAL and GENERAL

State News

Members in Victoria desiring publication of personal items of interest are invited to write or telephone details to the Editor (FJ 5161).

MANAGERS	AND	RELIEVERS:	JULY	LIST

MANAGENS AND	HEDDE VEND
Reliever	Pharmacy
Baker, Mr. J.	Mr. A. C. Taylor, Seddon
Beulke, Miss M. J. C.	Bart's Pharmacy, Moorabbin Mr. V. D. Preston, Reservoir
Bohn, Mr. J. G.	Mr. V. D. Preston, Reservoir
23031111 11111 01 01	Mr. J. F. White, Rushworth
Cohen, Mr. G. E.	Mr. J. F. White, Rushworth Mr. R. Eymer, Thornbury Mr. W. Shaw, Moe
	Mr. W Show Moo
Coombe, Miss M	Miss W. Cook Foglobowle
	Miss W. Cook, Eaglehawk Mr. C. W. Hyndman, North
Darling, Miss J.	Mr. C. W. Hynaman, North
	Balwyn
Douglas, Mr. R. B.	Mr. R. A. Clementson, Glenroy
	Mr V. M. Meagner, Brilliswick
	Mrs. F. B. Saunders, Bonbeach
	Mr. T. P. Lane, Daylesford
	Mr. H. Marks. Bendigo
Gardiner, Mr. J.	Mrs. F. B. Saunders, Bonbeach Mr. T. P. Lane, Daylesford Mr. H. Marks, Bendigo Mr. N. Maller, Ringwood
Goldberg, Mr. A. H.	Mr A W Cocking Blackburn
Goldberg, Mil. 21. 11.	Mr. A. W. Cocking, Blackburn Mr. C. H. Semmens, Sand-
	ringham
C Win D. D.	
Gray, Miss B. D.	Mr. F. J. Prowse, Mirboo
	North
	Messrs. Bartold & Lowell,
	Yarra Junction
Halprin, Mr. D	Mr. H. Spigleman, St. Kilda
Harris, Mr. A. K.	.Mr. J. P. Hannan, Murrum-
	beena
	Mr. A. R. Pask, East Kew Mr. B. Scally, Hawthorn
Hays, Miss M. H.	Mr. B. Scally, Hawthorn
Holland, Mr. J. C.	U.F.S. Dispensary, Bendigo
and the second	Mr. E. J. Wilson, Wangaratta
Hopkins, Mr. J. R.	U.F.S. Dispensary, Bendigo Mr. E. J. Wilson, Wangaratta Mr. S. W. Howell, Frankston
Hodgson, Mr. F. H.	Mrs. F. B. Saunders, Bonbeach
	Mrs. Schwartz, Stawell
Hunt, Mr. P. J	Manuata Dhannaga Cth Malh
Kiers, Mr. J	Mowat's Pharmacy, Stn. Melb.
7 -141- 3.5- TO	Mr. H. W. Lewis, Coburg
Leith, Mr. R.	Mr. G. E. Gray, Swan Hill
	Mr. K. Liddell, Wangaratta
Lennon, Mr. C. B.	Mowat's Pharmacy, Sth. Melb. Mr. H. W. Lewis, Coburg Mr. G. E. Gray, Swan Hill Mr. K. Liddell, Wangaratta Mr. J. Roberts, Pascoe Vale
	Mrs. E. L. Davoran, Baiwyn
Macfarlane, Miss M	H. Francis & Co., Myers, Mel-
	bourne
McDonald, Mr. D. W.	Mr. R. S. Anderson, Lakes
	Entrance
McLachlan, Mr. V. J.	Mr. B. N. Smith, Castlemaine
Mills, Mrs. Mitchell, Mrs.	Mr. B. N. Smith, Castlemaine Mr. A. Kean, St. Kilda
Mitchell, Mrs.	Mr. A. H. Mansell, Glenferrie
Mitchell, Mrs. O'Toole, Mr. B. R. Parish, Mr. D. M.	Bull & Owen, Geelong
Parish, Mr. D. M.	Mr. T. G. Sullivan, Euroa
Petterson, Mr. P. W	Mr. H. N. Hammett, Dan-
	denong
	Mr. W. H. Lawson, Glenroy
Pusterla, Miss P. A	Mr. S. F. Clark Balwyn
Redapple, Mr. A	Mr. S. F. Clark, Balwyn Mr. E. S. Bradley, Footscray
accuappic, MI. A	Mr R K McDonald Sunching
Richards Mr I I	Mr C H Roon M Drighton
Richards, Mr. J. I.	Mr. R. K. McDonald, Sunshine Mr. C. H. Boan, M. Brighton Mrs. P. M. Cox, Kew
Dountree Mr. T II	Mount's Dhamman Dt Mail
Rountree, Mr. J. H	Mowat's Pharmacy, Pt. Melb.
Chann Mr. Tr	Mr. A. J. Cozens, Balwyn
Sharp, Mr. W	Mr. C. S. Bowen, Clifton Hill
	Clarkson's Pharmacy, Bruns-
	wick

Reliever	Pharmacy
Simmons, Miss I. A	Cunningham's Pharmacy, Nth. Melbourne
	Cooke's Pharmacy, Mont Albert
	Mr. D. T. M. Miles Van

Mr. B. L. M. Miles, Kew Mr. E. J. Wilson, Wangaratta Mr. L. H. Walker, Albert Park Mr. P. M. Balding, Mansfield Vanner, Mr. D. ... Whiffin, Mr. M. J. Whittaker, Miss E.

Mrs. E. C. Gorr (née Cohen) is working as assistant to her mother, Mrs. J. V. Cohen, Malvern, and she will act as manager during any temporary absences.

Mr. D. C. Knight has taken over the management

of Kriewaldt's Pharmacy, Colac. During Miss K. Keogh's absence, Mrs. M. O. Lumley

will be in charge of the Pharmacy Department at the Austin Hospital.

Mr. T. B. Brooks has opened a pharmacy at Main street. Croydon.

The following pharmacies have changed hands:-Mr. L. D. Caplan from Mrs. E. Rabinov, 127 Hampton

street, Hampton. Mr. I. C. Richards from Mrs. A. T. Richards, 69

Manifold street, Camperdown. Mr. and Mrs. D. T. Davis from Mr. T. H. Davis, 83 Grimshaw street, Greensborough.

Business Changes Mr. P. F. Cram has entered into a partnership with his wife, née Dorothy K. Aldred. They will trade as Cram's Pharmacy in Casterton, and have opened a new pharmacy in Merino.

Mrs. Dorothy Hale (née Pratt) has entered into a partnership with Miss G. M. Bethell. They will trade as Marrison's Pharmacy at 20 Holmes road, Moonee

Mr. L. W. Read, formerly of Eildon, has purchased the pharmacy of Gissing & Denison, 619 Dean street, Albury, N.S.W.

Mr. B. N. Smith has taken into partnership Mr. D. M. Macdonald in Masters' Branch Pharmacy at 164 Barker Macdonald in Masters' Branch Pharmacy at 164 Barker street, Castlemaine. Mr. Macdonald will be in charge of this pharmacy. Mr. B. N. Smith is now the sole proprietor of Masters' Pharmacy, 217 Barker street, Castlemaine, which he will manage.

Mr. H. B. S. James has notified change of address from 218 to 229A Mountain highway, Bayswater.

OBITUARY Walter Compton Gear

It is with regret that we announce the death of Mr. Walter Compton Gear which occurred at Ballarat on July 19. Mr. Gear was aged 52 years and died suddenly. He was a prominent citizen of Ballarat and had conducted two pharmacies in that city for a number of years in partnership with his younger brother, Mr. Harold Gear. Mr. Gear served his apprenticeship with Mr. Robert Leckie in Ballarat. He qualified at the Final Examination of the Victorian Pharmacy Board in June, 1931, winning the Gold Medal for his year. The very large number of mourners at the funeral indicated Mr. Gear's widespread interests in Ballarat and the respect in which he was held. He is survived by a widow and a daughter, Janet, to whom we extend deepest sympathy

Robert Keith McDonald We regret to report the death of Mr. Robert Keith McDonald which occurred on July 20 after a short illness. Mr. McDonald was a veteran of World War I, being a member of the 58th Battalion of the 1st A.I.F. At the time of his death he was 60 years of age.

Mr. McDonald was among the first group of students

VICTORIA—Continued

to undertake the course in the College of Pharmacy under the sponsorship of the Repatriation Commission after the termination of hostilities in 1918. He was apprenticed to Mr. R. D. Younger, of Warnambool, one of the veteran pharmacists of the State, in 1915. He qualified at the Final Examination in June, 1921. Mr. McDonald married a pharmaceutical chemist, Gwen Bucknall, a fellow student, and after qualifying established himself in business at Sunshine, where he continued to practise until his death. We extend our sincere sympathy to his widow, daughter and two sons, who survive him.

DEATH FROM PHOSPHORUS RAT POISON Strong Comment by Coroner

At the inquest into the death of a two-year-old child who had eaten a phosphorus rat poison, held at Castlemaine on July 14, the Coroner, Mr. Scott, returned a finding of death from phosphorus poisoning.

He was told that the child, Michael John Popek, of Maldon, found the poison in a shed and tasted it on his He was rushed to hospital, but died the same

Mr. Scott said that because of the lethal nature of the poison and the difficulty in countering its operation he was of opinion that its manufacture and sale should be prohibited.

CHEMIST'S APPEAL AGAINST DEREGISTRATION FAILS

Judgment was given by Judge Mitchell in the County Court, Melbourne, on July 24 in the appeal of Leslie George Knapman, whose name was removed from the Pharmaceutical Register of Victoria by the Pharmacy Board after an inquiry under Section 89 of the Medical Act 1928, held on February 19, 1958.

The appeal was disallowed.

In announcing his decision, Judge Mitchell said he had given the matter deep and earnest consideration. In his opinion, the Board had acted with fairness and sympathy, and after taking into account the evidence put forward he could see no reason to disturb the

Board's finding.

Judge Mitchell said he wished to make it clear that it appeared to him that the appellant had not been guilty of any dishonesty or serious malpractice. It appeared to him that the cause of the trouble might well be temporary, and he had no doubt that if the appellant rehabilitated himself there was no reason why he should not resume his profession. Having read the transcript of the proceedings before the Board, he was of the opinion that the Board had acted in a human and understanding way, and that an application for reinstatement by the appellant would be dealt with in exactly the same way

Costs in favour of the Board were allowed.

A stay of one month was granted.

CORONER URGES REGULATIONS ON USE OF ETHER

Regulations governing inflammable materials should be gazetted as standard hospital regulations with heavy penalties for breaches, the Coroner (Mr. P. J. O'Connor, S.M.), said at Nhill on July 9, when summing up at an inquest into the deaths of two women who died, following an ether explosion at Nhill Hospital, on

January 16.
Mr. O'Connor found that Mrs. Frances Jean Merrett, 39, the Nhill Hospital cook, and a trainee nurse, Jennifer Mackay, 17, died from burns accidentally received on January 16.

Evidence was that a bottle of ether was broken in the kitchen, and an explosion occurred.

Mr. O'Connor said the evidence disclosed a complete lack of awareness and no recognition of dangers in

handling ether. He said the actions of Sister Mewkill, who left the ether in the kitchen, and the general hand, Charles Watts, who opened the bottle in the kitchen, were

imprudent, but not sufficiently careless to alter his finding.

Mr. O'Connor said rules governing the care and handling of anaesthetics should be gazetted and proclaimed as standard hospital regulations.

The Minister for Health, Mr. Cameron, said later that he would refer to the Health Commission the question of the use of inflammable anaesthetics in Victorian hospitals. He would ask the Commission to consider what extra precautions to recommend.

FURTHER HONOUR TO MR. ERIC SCOTT

An air of informality prevailed at the dinner held at Union House, University of Melbourne, on the night of July 14, when the Council of the Pharmaceutical Society of Victoria assembled in honour of their President, Mr. Eric Scott, who was awarded the O.B.E. in the Queen's Birthday Honours List last month; but there was no doubting the sincerity of the tributes paid to Mr. Scott by Mr. John Oxley, who proposed the toast to the Guest of Honour, and by Mr. A. G. Davis, who supported the toast. Both also spoke appreciatively of the splendid support Mr. Scott had always received from his wife, who was joined with her husband in the proposition and submission of the toast.

Chaired by Mr. F. W. Johnson, Vice-President of the Pharmaceutical Society, the function was attended by the members and senior executives of the Council and representatives of the Pharmacy Board of Victoria and the Victorian Branch of the Guild.

Mr. Scott, in replying to the toast, said this gesture on the part of the Council, added to all the other tributes and congratulatory messages they had received, was greatly appreciated by Mrs. Scott and himself.

The ladies who accompanied the guests added charm to the occasion, and they were the subject of a toast in lighter vein proposed by Mr. Leonard Long, supported by Mr. C. N. McLeod. The response on behalf of the ladies was made by Mrs. P. A. Crawford.

Vocal items interspersed with the speeches added to

the enjoyment of the evening, which concluded at 10 p.m.

IMPRISONMENT FOR FORGING PRESCRIPTION FOR SPECIFIED DRUG

Edgar Percival Bent appeared before the Court of Petty Sessions, Preston, on July 2, on the charge of having knowingly, by false representation in writing, attempted to obtain from John Edward Hunt, a pharmaceutical chemist, a Specified Drug, namely, Methedrine.
The prosecution was conducted by Senior-Detective
Salisbury, of the Police Drug Squad.
Mr. J. Hunt said he carried on business at 659 High

street, Preston. On June 24 a man came to his pharmacy and handed him a prescription for 100 ampoules

macy and handed him a prescription for 100 ampoules of Methedrine. As 100 ampoules seemed to be an enormous quantity, he became suspicious and told the man to come back later.

Detective C. H. Taylor, of the Drug Bureau, gave evidence that on July 26 he saw the defendant at the Reservoir High School, and spoke to him about the prescription presented. Bent accompanied him to his hotel room. He denied writing the prescription, but later admitted having done so

later admitted having done so. Employment he had obtained recently was the most suitable position he had obtained in the last ten years, and to adjust himself to the position he felt the need of assistance of a further supply of Methedrine. He knew it was quite wrong for him to write out the pre-

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Hydrocortisone..... 5 mg. (0.5%)

Cinchocaine HCl 5 mg. (0.5%) Aesculin 10 mg. (1.0%)

Water-miscible vehicle q.s. to 1 Gm.





SUPPOSITORIES Hydrocortisone 5 mg.

Soframycin	10	mg.
Cinchocaine HCl		img.
Aesculin	10	mg.

Cocoa butter q.s. for one suppository

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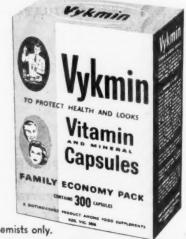
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VICTORIA—Continued

scription and sign a doctor's name to it. He regretted his action.

The defendant pleaded not guilty and conducted his own defence.

He was sentenced to three months' imprisonment.

DENTAL WAREHOUSES FINED FOR BREACHES OF DANGEROUS DRUGS REGULATIONS

Prosecutions instituted by the Pharmacy Board against four dental warehouses for breaches of the Dangerous Drugs Regulations were heard in the Court of Petty Sessions, Melbourne, on June 26, when the following penalties were imposed:

Associated Dental Products Pty. Ltd., 131 Collins street, Melbourne, was charged with failing to keep Dangerous Drugs locked up; failing to produce its Dangerous Drugs Register to an Inspector of the Board, and failing to record in the Dangerous Drugs Register the full names and addresses of persons to whom Danger-

ous Drugs were supplied. A fine of £5 was imposed on each charge, together with £11/5/- costs.

Bennell Manufacturing Co., 129 Collins street, Melbourne, was convicted and fined £5 on each of two charges, namely, failing to store Dangerous Drugs apart from other goods in a securely locked room or cupboard and failing to keep a record in the Dangerous Drugs Register of all Dangerous Drugs obtained and disposed of. Costs of £11/5/- were also imposed.

Felton Grimwade Dental Co., 21 Alfred Place, Mel-bourne, was charged with failing to store Dangerous Drugs apart from other goods in a securely locked room or cupboard; failure to record in the Dangerous Drugs Register the full names and address of persons to whom Dangerous Drugs were sold and failure to record in the Dangerous Drugs Register all Dangerous Drugs ob-

tained and disposed of. Fines totalling £15 and costs of £12/10/- were imposed.

Bosch Naylor Pty. Ltd., 53a Russell street, Melbourne, was charged with failure to record in the Dangerous Drugs Register the full names and addresses of persons to whom Dangerous Drugs were sold; failure to store Dangerous Drugs apart from other goods in a securely locked room or cupboard and failure to keep a record of Dangerous Drugs obtained and disposed of. On the first charge a fine of £2 with £11/5/- costs was imposed, and on the other two charges fines of £5.

Evidence for the Board was given by Inspectors Plummer and Ahern.

AMENDMENT OF THE PHARMACY REGULATIONS

The text of amendments to the Pharmacy Regulations as published in the Victoria Gazette No. 68, July 23, 1958, is published below.

The effects of these Regulations are:

(a) The Preliminary Examination conducted by the Board will be discontinued after November, 1958; (b) The minimum standard of entrance to the pharmacy course as from the beginning of the year 1960 will be Matriculation Examination of the University of Melbourne;

(c) The standing of persons who have qualified under the old Regulations prior to December 31, 1959, will be preserved for a period of three years.

The amendments are as follows:—

Examinations

2. After Regulation 48 of the Pharmacy Regulations there shall be added the following Regulation:—
"48a. (1) After the thirty-first day of December, 1958, the Preliminary Examination described in the preceding Regulations shall be discontinued, and there shall be substituted therefor the Preliminary Examination mentioned in this Regulation.

(2) After the thirty-first day of December, 1958, and until the first day of January, 1960, the Preliminary Examination shall be the School Leaving Examination of the University of Melbourne in at least five subjects, including the subjects mentioned in paragraph (b) of Regulation 43 hereof.

(3) On and after the first day of January, 1960, the Preliminary Examination shall be the Matriculation Examination of the University of Melbourne.

(4) Any person who prior to the thirty-first day of December, 1959, has passed the Preliminary Examination referred to in the Regulations preceding this Regulation, or who has prior to that date been given written notice by the Board that in the opinion of the Board such person has attained an educational qualification which is equivalent to the educational qualification of such Preliminary Examination, shall for the period of three years from the thirty-first day of December, 1959, be exempted from passing the said School Leaving Examination or the Matriculation Examination as the case may be.

(5) Notwithstanding anything contained in these Regulations the Board may exempt from passing the Preliminary Examination or from passing any sub-ject or subjects forming part of the Preliminary

Examination-

- (a) Any person who after the thirty-first day of December, 1958, and up to the thirty-first day of December, 1959, produces a certificate of having passed some other examination which in the opinion of the Board is substantially equivalent to the requirements of the said School Leaving Examination or any subject or subjects forming part of the said School Leaving Examination; or who produces a certificate of having passed the Matriculation Examination of the University of Melbourne.
- (b) Any person who, after the thirty-first day of December, 1959, satisfies the Board that he possesses educational qualifications sufficient to enable him to enter upon the pharmacy course, or who produces a certificate of having passed some other examination which in the opinion of the Board is substantially equivalent to the requirements for the time being of the Matriculation Examination of the University of Melbourne."

3. The preceding Regulations were made at a meeting of the Pharmacy Board of Victoria at Melbourne on Wednesday, the eleventh day of June, 1958.

The seal of the Board was hereunto affixed by the Registrar, in the presence of-

W. R. ILIFFE, Member of the Board.

(Seal) H. A. BRAITHWAITE, Member of the Board. F. C. KENT, Registrar.

Approved by the Governor in Council, this fifteenth day of July, 1958.—N. G. Wishart, Acting Clerk of the Executive Council.

AMENDMENT OF THE POISONS AND DANGEROUS DRUGS SCHEDULES

(Published in the Victorian Government Gazette, July 21, 1958)

Additions to Schedules of Dangerous Drugs

In conformity with a recommendation of the Drug Supervisory Body of the United Nations Organisations, the following new substances were added to the first paragraph of the Sixth Schedule to the Poisons Act 1928 (Dangerous Drugs):-

1. After the word "betameprodine" in the item "Piperidine derivatives" there shall be added the words:

"etoxeridine, morpheridine, trimeperidine";

VICTORIA—Continued

2. By the addition of the following substances or

preparations

"Pyrrolidine derivatives with hypnotic properties such as racemoramide; and its salts, prepara-tions, admixtures, extracts, solutions or other substances containing any proportion thereof."

Specified Drugs, Additions to Schedule

The following Drugs and Preparations were added to Paragraph II of the Sixth Schedule to the Poisons Act 1928 (Specified Drugs):

Mecamylamine, whether known as Mevasine, Inversine or by any other name.

The effect is that these drugs and substances and all preparations containing them in any proportion are classified as Specified Drugs, and may be supplied only on prescription.

Additions to the Second Schedule

The following substances and preparations have been added to the Second Schedule to the Poisons Act 1928 (Poison Book Entry, etc.):-

To Part I:

Atropine esters and other derivatives of Atropine; their salts, preparations and admixtures containing 0.25 per cent. or more of such ester, salt or other derivative.

Hyoscine esters and other derivatives of Hyoscine; their salts, preparations and admixtures con-taining 0.25 per cent. or more of such ester, salt or other derivative;

and to Part II of the Second Schedule to the said Act

the following articles:-

Atropine esters and other derivatives of Atropine; their salts, preparations and admixtures containing less than 0.25 per cent. of such ester, salt or other derivative.

Hyoscine esters and other derivatives of Hyoscine; their salts, preparations and admixtures con-taining less than 0.25 per cent. of such ester,

salt or other derivative.

Preparations of Ephedrine

Preparations containing no more than 1% Ephedrine are now removed from the operation of Part III of the Second Schedule to the Poisons Act 1928. This restores an exemption which previously existed, but which disappeared in an earlier amendment of the Schedules.

Preparations of Ether

Preparations containing 5% or more of Ether included in Part III of the Second Schedule. Ether self is in

Part I of the Second Schedule. Ether self is in Part I of the Second Schedule. Provision has been made by the recent amendments for the exemption of preparations containing ether in the form of mixtures for use in model engines, etc. The

exemption is in the following terms:

At the end of the item "Ether" in the 3rd Part of the Second Schedule there shall be added:

"except preparations for use in internal combus-tion engines packed in sealed containers which are prominently labelled with the word "Dan-ger," a warning that the contents are highly inflammable, and a statement showing the percentage of Ether contained in the preparation or mixture.

SODIUM FLUOROACETATE (1080)

Regulations under Health Act amended. Extracts from Victoria Gazette No. 57 (27/6/58)

 These Regulations may be cited as the "Monofluoro-acetic Acid Derivatives Regulations 1958" and shall come into operation upon publication thereof in the Government Gazette.

2. The "Sodium Fluoroacetate (Compound 1080) Regulations 1954" are hereby repealed.

3. In these Regulations unless inconsistent with the context or subject-matter-

"Bait" means any single portion of edible matter in which is incorporated any fluoroacetate.

"Fluoroacetate" means sodium fluoroacetate, fluoroacetamide and any other derivative of monofluoro-acetic acid, and includes any such derivative whether in its pure state or in solution or suspen-sion in water or any other liquid.

4. No person shall sell any fluoroacetate or any baits except in a sealed package bearing a label as herein-

after prescribed.

5. At the time of the sale and before delivery of any fluoroacetate the vendor shall fill in and the purchaser shall sign a document in the form of the Second Schedule to these Regulations.

6. Such document so filled in and signed shall be forwarded by the vendor forthwith to the Commission of Public Health, 295 Queen street, Melbourne.

7. Every person who has in his possession any fluoroacetate shall keep it in a locked compartment or cupboard in which no other substance is kept.

8. A record shall be kept by every purchaser of all quantities of any fluoroacetate received used or otherwise disposed of by him.

9. (1) The purchaser shall be responsible for ensuring that only he or some competent person authorised by him in writing handles the fluoroacetate prior to its incorporation in the bait material.

(2) The purchaser shall inform the Commission of the name and address of every person authorised by him pursuant to the preceding sub-regulation.

10. No bait may be laid on any land by any person other than the landholder unless such landholder first gives written authority in the form of or substantially in the form of the Third Schedule to these Regulations.

11. The landholder or his appointee may assist with the laying of baits, but before doing so such landholder and appointee shall be warned by the purchaser or person referred to in Regulation 9 of these Regulations of the dangers of the active ingredients and of the special precautions necessary when handling such substance.

12. All persons when handling fluoroacetate or baits shall wear heavy duty rubber gloves and such gloves shall be washed thoroughly in running water, tested for leaks and dried and dusted with talc powder immediately after each use. After removal of the gloves the hands of the persons handling sodium fluoroacetate or baits incorporating such substances shall be washed thoroughly before smoking or eating.

13. No person shall prepare or lay any single bait of a volume exceeding 1 cubic inch or containing more than

5 milligrams of fluoroacetate.

14. Baits shall be laid where practicable in furrows 4 inches deep and all uneaten baits shall be covered with a minimum of 3 inches of soil within a period of four days from the time of laying provided that in cases where such laying and covering are not practicable all uneaten baits shall within the same period be collected and destroyed.

15. (1) The Commission may grant permission for the laying of baits by dropping them from aircraft in any case where the Commission thinks fit.

(2) Such permission may be given subject to any conditions deemed necessary by the Commission and in giving any such permission the Commission may waive all or any of the requirements of Regulations 14, 16 and 18 hereof.

(3) Except with the permission of the Commission and subject to any conditions imposed by the Commission the laying of baits by dropping from aircraft is hereby

prohibited.

16. Baits shall be transported only in a watertight utensil labelled "Poison" followed by the name of the active ingredient. Such utensil shall be washed thor-





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oughly after use and shall be used for no other purpose than the carrying of baits.

17. Mixing of baits and washing of utensils shall not be carried out within 50 yards of any river, creek, stream, channel, or other watercourse, or of any lake, lagoon, reservoir, pond, or other body of water. Such mixing and washing shall be performed on a specially prepared site from which the top soil has been removed to a depth of 4 inches and which shall be filled in with soil when the work is completed.

18. Rabbits and other vermin destroyed by baits shall be collected within four days of laying the bait and shall be buried or burned without prior removal of the skin.

19. Any landholder who uses or authorises the use on his land of any baits shall notify all of his neighbours of his intention to use such baits before such baits are laid.

20. Any person doing any act forbidden to be done, or failing to do any act directed to be done by these Regulations, shall be guilty of an offence against these Regulations and shall be liable to a penalty of not more than Twenty pounds and in the case of a continuing offence a further daily penalty of not more than Five pounds but so that the total of such penalties shall not exceed One hundred pounds.

First Schedule POISON

(The above to be in 24-point letters coloured red)
NO KNOWN ANTIDOTE

(name of substance)

The contents are not to be used by any unauthorised person. Before opening, read carefully the Regulations relating to the use of this substance.

Second Schedule

(To be forwarded to the Secretary, Commission of Public Health forthwith on completion.)

MONOFLUOROACETIC AC	ID DERIVATIVE
Day of Sale	
Name of Purchaser	
Address	
Occupation	
Substance and Quantity purch	nased
Purposes for which required	
Purchaser's Signature	
Witness	
Vendor's Signature	

Third Schedule

AUTHORITY TO LAY MONOFLUOROACETIC ACID DERIVATIVE

To

Witness.

being the owner of allotment occupier

Parish of containing acres hereby authorise to lay poison baits containing (name of substance) on my property situated at on the date specified hereunder.

I agree to remove all stock from that portion of my property on which the baits are to be laid.

I acknowledge that I have read the Regulations relating to Derivatives of Monofluoroacetic Acid and the instructions for its use, and am fully aware of the requirements.

Signed

Date

And the Honorable Ewen Paul Cameron, Her Majesty's Minister of Health for the State of Victoria, shall give the necessary directions herein accordingly.

N. G. WISHART,

Acting Clerk of the Executive Council.

HEALTH ACT 1956

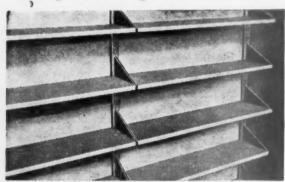
ADDITIONS TO THE REGISTER OF PROPRIETARY MEDICINES

The following additions to the Register of Proprietary Medicines were published in The Victoria Government Gazette in accordance with the provisions of the Health Act 1956, section 265 (4), on July 23, 1958:—

Act 1956, section 265 (4), on July	23, 1958:-	
Distinctive Name of	Serial	Date of
Achromycin Ophthalmic Oil Suspension 1 per cent. Achromycin V Capsules 250 mg. Air-Free Tablets Akta-Vite Allenbury's Vitamin Pellets No. 1 Anderson's Bronchitis Mixture Anti-Congestive Cough Linctus A.P.C. Mixture A.P.C. Mixture A.P.C. Mowelettes Aromatic Linctus Artosin Tablets Ascarite Worm Syrup Avochocs Ayrton's Cold Sore Lotion Barbionex Barnet's Cough Linctus Benutrex Bepanthen Eye Ointment Bioflav Blandsprin Tablets Bolton's Diet Tablets Boreene Bosisto's Oil of Eucalyptus B-Pasinah Cachets B-Pasinah Packets Bradley's New Tablets Bronchitis Mixture Bronchitis Mixture Bronchitis Mixture Bronchic Cough Mixture Buscopan Compositum Ampoules 5 ml.		8
nongion 1 per cent	7425	9.7.58
Achromyoin V Cansules 250 mg	7426	9.7.58
Air-Free Tablets	7429	9.7.58
Akta-Vita	7361	9.7.58
Allenbury's Vitamin Pellets No. 1	7291	9.7.58
Anderson's Bronchitis Mixture	7304	9.7.58
Anti-Congestive Cough Linctus	7443	9.7.58
A.P.C. Mixture	7399	9.7.58
A.P.C. Powderettes	7387	9.7.58
Aromatic Linetus	7482	9.7.58
Artosin Tablets	7423	9.7.58
Ascarite Worm Syrup	7488	9.7.58
Avochoes	7317	9.7.58
Ayrton's Cold Sore Lotion	7321	9.7.58
Barbionex	7461	9.7.58
Barnet's Cough Linctus	7444	9.7.58
Benutrex	7436	9.7.58
Bepanthen Eye Ointment	7355	9.7.58
Bioflav	7430	9.7.58
Blandsprin Tablets	7293	9.7.58
Bolton's Diet Tablets	7431	9.7.58
Boreene	7340	9.7.50
P Posingh Cocheta	7497	9.7.50
P Paginah Pagkets	7429	0.7.50
Bradley's New Tablets	7202	0.7.58
Bronchitic Mivture	7303	9.7.58
Bronchitis Mixture	7454	9.7.58
Broncho Cough Mixture	7400	9.7.58
Buscopan Compositum Ampoules		011100
5 ml	7334	9.7.58
Buscopan Compositum Supposi-		
tories	7335	9.7.58
Calasprin Tablets	7412	9.7.58
Calfluor Tablets	7464	9.7.58
Castilian Hair Restorer	7351	9.7.58
"Ce Be" Compound	7301	9.7.58
Clarke's Cough Mixture	7389	9.7.58
Clauden Solution	7369	9.7.58
Clauden Tablets	7370	9.7.58
Codasad Dawdarattas	7393	9.7.58
Codettes	7200	9.7.50
Cordey Forte Tablets 15 mg	7400	0.7.50
Corn Cure	7371	9.7.58
Cornell's Little Liver Pills	7390	9 7 58
Cortibiotic Ointment	7477	9 7 58
Cortrophin Z.N.	7437	9.7.58
Crystal Eve Drops	7446	9.7.58
Crystapen V Tablets 240 mg.	7498	9.7.58
Cytoferin Tablets	7310	9.7.58
Dammery's Bronchitis Mixture	7447	9.7.58
Dammery's Children's Tonic	7484	9.7.58
DeMarie's Dandroil	7406	9.7.58
Dequadin Nasal Drops	7289	9.7.58
Dequadin Nasal Spray	7290	9.7.58
Desbutal Capsules	7325	9.7.58
Detrisol Ointment	7457	9.7.58
Devon Orange Alk	7403	9.7.58
Digostif Poppios	7250	9.7.58
Donald's Cough Balcom	7277	9.7.58
Donald's Cough Linetus	7378	9.7.58
Donald's One-Day Chilhlain Pub	7370	0.7.50
Donald's Rhubarh and Sodamint	1010	0.1.00
Suscopan Compositum Ampoutes 5 ml. Buscopan Compositum Suppositories Calasprin Tablets Calfluor Tablets Castilian Hair Restorer "Ce Be" Compound Clarke's Cough Mixture Clauden Solution Clauden Tablets Codapak Codased Powderettes Codettes Cordex Forte Tablets 1.5 mg. Corn Cure Cornell's Little Liver Pills Cortibiotic Ointment Cortrophin Z.N. Crystal Eye Drops Crystapen V Tablets 240 mg. Cytoferin Tablets Dammery's Bronchitis Mixture Dammery's Bronchitis Mixture Dammery's Children's Tonic DeMarie's Dandroil Dequadin Nasal Spray Desbutal Capsules Detrisol Ointment Devon Orange Alk Dexionex Digestif Rennies Donald's Cough Linctus Donald's Chubar and Sodamint Compound Dramamine 50 mg. Tablets	7380	9.7.58
Dramamine 50 mg. Tablets	7465	9.7.58

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VICTORIA—Continued

Distinctive Name of Proprietary Medicine	Serial	Date of
Proprietary Medicine	Number	
Durabolin Ef-Cortelan 4 per cent. Skin	7438	9.7.58
Lotion	7363	9.7.58
Lotion . Ef-Cortelan 1 per cent. with Neomycin Skin Lotion . Ef-Cortelan 1 per cent. with Neomycin Skin Lotion . Freder Tablete	7365	9.7.58
Neomycin Skin Lotion Endas Tablets Ephexten Tablets Falcopen-V Capsules 240 mg. Falcopen-V Tablets 240 mg. Faulkner's Antiseptic Ointment	7364	9.7.58
Endas Tablets	7459	9.7.58
Ephexten Tablets	7460	9.7.58
Falcopen-V Capsules 240 mg	7421	9.7.58
Falcopen-V Tablets 240 mg.	7422	9.7.58
Falcopen-V Tablets 240 mg. Faulkner's Antiseptic Ointment Faulkner's Extra Strong A.P.C. Powders Fenox Cough Arrestive Ferro Bifacton Tablets Ferro-Cal B Flavonoid Compound Fortex Multivitamin Tablets Francis' White Mixture of A.P.C. Franklin's Worm Elixir Gerix Elixir Goanna Oil Liniment Golden Eye Drops Gram's Corn Cure Gram's Skin Ointment Harlem's Lip Ointment Harlem's Lip Ointment Harles Baby Cough Balsam Harlos Dandruff Ointment Harlos Indigestion Mixture Harlos Menthol Embrocation Harmonyl Tablets 1 mg. Harmonyl Tablets 1 mg. Harmonyl Tablets 1 mg. Harmonyl Tablets 1 mg. Hars-Fever Tablets Hayfix Nasal Drops No. 7 Hayfix Nasal Drops No. 9 Hay-Go Tablets Heriot's Camphor Balm Hydrocortisyl Skin Lotion Hynes' Codeine Co Hynes' Godeine Co Hynes' Seneco Cough Mixture Inhalant Capsules Katalan Kidney and Backache Pills Kidney and Bladder Pills Kofrene Cough Syrup Lawrence Yellow Powderettes Linbro Mack's Corn and Wart Cure Marrison's Inhalant Maw's Acriseptine Maw's Tancolin Children's Cough Linctus McDonald's A.P.C. Mixture	1001	9.1.30
Powders	7338	9.7.58
Ferro Rifactor Tablets	7430	9.7.58
Ferro-Cal B	7336	9.7.58
Flavonoid Compound	7305	9.7.58
Fortex Multivitamin Tablets	7432	9.7.58
Francis' White Mixture of A.P.C.	7300	9.7.58
Franklin's Worm Elivir	7448	9.7.58
Gerix Elixir	7326	9.7.58
Goanna Oil Liniment	7392	9.7.58
Golden Eye Drops	7352	9.7.58
Gram's Corn Cure	7394	9.7.58
Harlem's Cold Sore Lotion	7382	9.7.58
Harlem's Lip Ointment	7383	9.7.58
Harlem's Ulca Paint	7485	9.7.58
Harlos Baby Cough Balsam	7346	9.7.58
Harlos Indigestion Mixture	7384	9.7.58
Harlos Menthol Embrocation	7347	9.7.58
Harlos Skin Lotion	7348	9.7.58
Harmonyl Tablets .1 mg.	7407	9.7.58
Harmonyl Tablets 1 mg.	7408	9.7.58
Hass-Fever Tablets	7306	9.7.58
Hayfix Nasal Drops No. 7	7313	9.7.58
Hayfix Nasal Drops No. 9	7314	9.7.58
Heriot's Camphor Balm	7420	9.7.58
Hydrocortisyl Skin Lotion	7478	9.7.58
Hynes' Codeine Co	7449	9.7.58
Hynes' Hand Cream	7375	9.7.58
Hynes' Senera Cough Mixture	7376	9.7.58
Inhalant Capsules	7463	9.7.58
Katalan	7360	9.7.58
Kidney and Backache Pills	7455	9.7.58
Kofrene Cough Syrup	7410	9.7.58
Lawrence Yellow Powderettes	7386	9.7.58
Linbro	7487	9.7.58
Mack's Corn and Wart Cure	7381	9.7.58
Marrison's Innaiant	7402	9.7.58
Maw's Tancolin Children's Cough	1201	3.1.00
Linctus	7298	9.7.58
McDonald's A.P.C. Mixture	7311	9.7.58
Megobar Tablets	7318 7324	9.7.58 9.7.58
Menthedrine Nasal Drops	7315	9.7.58
Methoxin Tablets	7409	9.7.58
Mictine Tablets	7466	9.7.58
Midicel Tablets Mineral and Vitamin Tonic	7358 7339	9.7.58 9.7.58
Mineral and Vitamin Tonic Mineral and Vitamin Tonic with	1000	0.1.00
Phenobarbitone Miner's Black Jack	7340	9.7.58
Miner's Black Jack	7442	9.7.58
Mitchell's Diet Tablets Monotrean	7483 7350	9.7.58 9.7.58
Monotrean	1330	3.1.30

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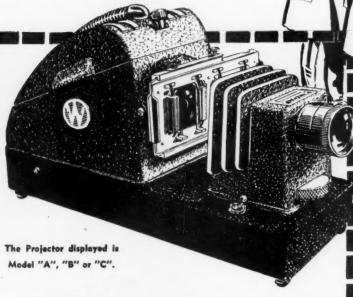
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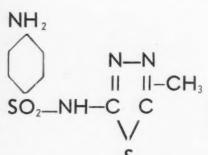
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Distinctive Name of	Serial	Date of
Proprietary Medicine	Number	Registration
Narcotine Cough Linetus	7300	9 7 58
Neo-Synephrine Compound Cold Tablets, Winthrop Nilevar Intramuscular Nilevar Tablets Nostinal Capsules Nupasal—213 Nyal Tinea Lotion Oramen Tablets Orgraine Ovestin Ampoules Ovestin Tablets Pain-Ease Tablets Pamn Tablets Penta Kaps-M Filmtabs Pepsilphen Tablets Phenbeco Tablets Pholoodine Cough Linctus Pile Ointment Pleasance's Compound Senega Mixture	7327	9.7.58
Nilevar Intramuscular	7467	9.7.58
Nilevar Tablets	7468	9.7.58
Nostinal Capsules	7319	9.7.58
Nupasal—213	7296	9.7.58
Oramen Tablets	7424	9.7.58
Orgraine	7440	9.7.58
Ovestin Ampoules	7475	9.7.58
Ovestin Tablets	7476	9.7.58
Pain-Ease Tablets	7481	9.7.58
Pann Tablets Penta Kane M Filmtabe	7410	9.7.58
Pensilphen Tablets	7294	9.7.58
Phenbeco Tablets	7342	9.7.58
Pholcodine Cough Linctus	7418	9.7.58
Pile Ointment	7341	9.7.58
Pleasance's Compound Senega	7331	0.7.50
Pleasance's Dyspensicure	7328	9.7.50
Pleasance's Liver Mixture	7353	9.7.58
Pleasance's Sarsapotash	7329	9.7.58
Pleasance's Stop Cough	7332	9.7.58
Mixture Pleasance's Dyspepsicure Pleasance's Liver Mixture Pleasance's Sarsapotash Pleasance's Stop Cough Precortisyl Injectable (Predniso-	7470	0750
Pro-Ranthine 30 mg	7469	9.7.50
Pro-Plus	7288	9.7.58
Psorigone	7330	9.7.58
Pure Glycerine	7373	9.7.58
P.V.O. Tablets	7323	9.7.58
Quillatone 11 grain Tablets	7343	9.7.56
Releva-Pain Tablets	7308	9.7.58
Rhuvita Tablets	7433	9.7.58
Robinson's Codapac	7391	9.7.58
Rolicton Tablets	7470	9.7.58
Precortisyl Injectable (Prednisolone Acetate) Pro-Banthine 30 mg. Pro-Plus Psorigone Pure Glycerine P.V.O. Tablets Quillatone 3 grain Tablets Quillatone 1 grain Tablets Releva-Pain Tablets Rhuvita Tablets Robinson's Codapac Rolicton Tablets Romey's Decongestant Bronchitis Mixture	7316	9.7.58
Salamide-B Forte Tablets	7486	9.7.58
Sal-Urem	7445	9.7.58 9.7.58
Savlon Antiseptic Cream	7295	9.7.58
Savion Antiseptic Lozenges	7473	9.7.58 9.7.58
Sal-Urem Savlon Antiseptic Cream Savlon Antiseptic Lozenges Sedumax Tablets Silver's Carbromal Compound	7413	9.7.58
Silver's Children's Cough Linctus		
swith Dhalaadina	7414	9.7.58
Silver's Iodised Throat Tablets	7415	9.7.58
Snifta Corn Cure	7396	9.7.58 9.7.58
Silver's Iodised Throat Tablets Snifta Corn Cure Snifta Inhalation Soframycin Ointment Solution of Acriflavine Sore Throat Gargle Sore Throat Mixture	7480	9.7.58
Solution of Acriflavine	7489	9.7.58
Sore Throat Gargle	7490	9.7.58
Sore Throat Mixture	7349	0.7.59
Sore Throat Gargle Sore Throat Mixture Sparine Syrup Sparna Hand Protective Cream	7312	9.7.58 9.7.58
Sparna Sunburn Cream	7368	9.7.58
Spencer's Prescription for In-	1000	0.1.00
fluenza	7320	9.7.58
Stomach Powder with Rhubarb	7404	9.7.58
Sulphadital Flavoured Tablets Suppressant Bronchitis Mixture	7435 7450	9.7.58 9.7.58
Suppressant Bronchitis Mixture	1 200	3.1.00
for Children	7451	9.7.58
Suppressant Cough Mixture	7452	9.7.58
Suppressant Cough Mixture for	7453	9.7.58
Children Sustanon Ampoules	7441	9.7.58
Synox	7434	9.7.58
Tisana Kelemata	7388	9.7.58
Trevidal Tablets Trilaton Syrup	7474 7472	9.7.58
Vallestril Tablets	7471	9.7.58 9.7.58
Vaseline Camphor Ice	7366	9.7.58
Veocillin Tablets	7322	9.7.58



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Vitoran Tablets	7411	9.7.58
Warner's Ear Drops		9.7.58
Warner's Healing Ointment		9.7.58
Warner's Indigestion Powder	7493	9.7.58
Warner's Inhalant		9.7.58
Warner's Kidney Mixture	7495	9.7.58
Warner's Nasal Drops		9.7.58
Warner's White Liniment	7497	9.7.58
Wart Application	7372	9.7.58
Whitelaw's Influenza Mixture	F 4 1 (1)	9.7.58
Whitelaw's Linctus	7417	9.7.58
Wydawake Tablets		9.7.58
Zambo Cough Syrup	7356	9.7.58
		9.7.58

PHARMACY BOARD

Monthly Meeting

The Pharmacy Board of Victoria met at 360 Swanston street, Melbourne, on July 9, at 9.45 a.m.

Present.—Messrs. S. J. Baird, H. A. Braithwaite, A. W. Callister, K. E. Hartley, N. C. Manning, W. Wishart, F. C. Kent (Registrar), T. G. Allen (Minutes Secretary) and R. H. Borowski (Deputy Registrar).

In the absence of the President, who tendered an apology, Mr. H. A. Braithwaite was voted to the Chair. Correspondence.—Correspondence dealt with included

the following: From the British Medical Association in reply to a letter from the Board; stating that Council "considers that so long as drug manufacturers and wholesalers that so long as drug manufacturers and wholesafers send samples to medical practitioners, those samples will in many cases be given to patients... only means of preventing this would be cessation of the practice of wholesafers issuing samples."

To the Department of Health, Melbourne, urging the necessity for 'provision of compulsory treatment of dues addicts.

drug addicts.

To Mr. Eric Scott congratulating him on the award of the O.B.E.

To several chemists approving of card systems for recording of prescriptions.

To the Department of Health forwarding various recommendations for amendment of Schedules and

To the Department of Health re desirability of introducing legislation to deal with radioactive isotopes

used in medicine.
To Mr. F. J. McGloin intimating that any device likely to minimise the risk of accidental poisoning of children is worthy of commendation.

From a candidate forwarding Declaration re loss of practical note books. Decision as to requirements to be met by this candidate referred to Lecturers.

From a chemist reporting shortage of six ampoules of Omnopon. Advised re procedure to be adopted. From a member of the public seeking permission to obtain Specified Drugs for the purpose of killing cats. Advised that the drugs could not be obtained in this way legally, but must be prescribed for individual treat-

From the Pharmaceutical Association re inquiry from the Customs concerning limitation of supplies of S.V.R. under Excise Tariff Item 2M to one gallon per month, except when greater supplies legitimately required. The Board recorded the opinion that this action was reasonable provided restrictions were not imposed upon any chemical repruipeds.

chemist genuinely requiring greater supplies.

To a Sydney distributor suggesting that phials containing a chemical substance should not be distributed unlabelled.

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Formal Business.—The following formal business was transacted:—

transacted:—
Applications for Registration.—BURNS, Rona; MARCOU, Emmanuel; McLACHLAN, Vivian James;
NAUGHTON, James Barry; ROGERS, Peter Engel;
ANDERSON, Maureen Rae; CHANDLER, Patricia Pearl
(Mrs. Conway); DURSTON, Raymond Brian; GEHRING,
James Francis; MARSHALL, Judith Ann; McDONALD,
Bruce Henry Paul; MITTON, John William; MITTON,
Rosslyn; PISASALE, Antonio Salvatore; PRICHARD,
Barry Stretton; SHAW, Kenneth William; SIBEL,
Arthur; TYNAN, Noreen Marie. (All passed Final
Exam. Vic.)

Restoration of Names to Register.—AMIES. Bessie

Restoration of Names to Register.—AMIES, Bessie Flora (Mrs. J. S. Daviss); HOLBROOK, Grace Lotus (Mrs. J. T. Boyd); PARKIN, Charles John; RICHARDS, Brian John; WILSON, Margaret Joan (Mrs. J. A.

Wilson).

Erasure of Names from Register.—CUNNINGHAM, Arnold Foster—deceased 6/7/58; DAWSON, Walter William—deceased 28/6/58; LEWIS, Benjamin George—deceased June, 1958; WESTWOOD, Cyril—deceased 10/6/58.

Managers and Relievers Notified.—42.
Business Changes Notified.—5.
New Pharmacies Opened.—5.
Pharmacies Changed Hands.—9.
Apprentice Indentures Registered.—24.
Apprenticeship Indentures Transferred.—5.
Apprenticeship Indentures Cancelled.—4.
Certificates of Exemption Issued.—18.
Certificates of Identity Issued.—7.
Opium Permits Issued.—13.

Permits to Purchase Cyanide Issued.—2.
Licence as General Dealer in Poisons Issued.—1.
Licences to Sell Poisonous Substances Issued.—20.

Licence to Sell Dangerous Drugs by Wholesale—Change of name on Licence already issued.—1.
Licences for Hospitals to Possess Dangerous Drugs.—3.

Police Reports re Poisonings.—Carbromal—1, fatal. Phenobarbitone—1, fatal. Hexone—1, fatal. Quinine Sulphate—1, fatal. Pentobarbitone—1, fatal.

Chemists to Appear Before the Board.—It was resolved that two chemists who had been reprimanded by the Commonwealth Minister for Health under provisions of the National Health Act should be requested to appear before the Board to give explanations and furnish information.

Lecture Time Table.—A copy of a letter from the Victorian Chemists' Sub-Branch of the R.S.S.A.I.L.A. to the Pharmaceutical Society was received suggesting that students should be available in the pharmacy on the day preceding and the day following each public holiday. The Registrar said the matter had been considered by the Council of the Society, which had noted the contents and had indicated that radical changes would be made when the new College was opened. Phenmetrazine.—Inquiries were received from the

Phenmetrazine.—Inquiries were received from the Council of the Pharmaceutical Society and the Guild concerning the scheduling of a proprietary preparation of Phenmetrazine, and a request was made that the Board reply to the inquirer. The Board directed that a reply be sent indicating that this substance had been added to the Schedule of Specified Drugs after very full inquiry and that in the opinion of the Board the restriction was necessary.

Inquiries.—The proprietor and manager of a City pharmacy and the proprietor of a suburban pharmacy appeared before the Board upon request to explain breaches of the Poisons and Dangerous Drugs Regulations, relationships with an unregistered person, and unsatisfactory conditions in the pharmacy, respectively. In each case the Chairman informed the chemists concerned that they had been requested to attend, rather than be summoned to appear under the provisions of the Medical Act Part III.

After hearing the explanations offered, the Chairman in each case stated explicitly what the obligations were,

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4 Wickham Street, Brisbane.
(Branch Secretary, Miss D. Brighouse.)

SOUTH AUSTRALIA: Churchill Building (First Floor)

61-63 Gawler Place, Adelaide.
(Branch Secretary, O. H. Walter.)

WESTERN AUSTRALIA: C/o Technical College,

St. George's Terrace, Perth.
(Branch Secretary, F. W. Avenell.)

VICTORIA—Continued

and urged the chemists who had appeared to carry out strictly the requirements of the law in future; adding that reports of failure to do so in future might have more serious consequences for them.

Distribution of Cyanide.—Reports from the Inspectors concerning the distribution of preparations of Cyanide for case hardening and types of containers in which Potassium Ferricyanide and other substances coming within the scope of the Cyanide Regulations were received. In some instances the preparations of Cyanide were being distributed for industrial use to persons who did not hold permits to purchase Cyanide. The Board directed that instructions be given to the Inspectors that the requirements of the law be carried out.

Untidy Pharmacy.—Several reports concerning an untidy pharmacy about which many complaints had been made were received, and it was resolved that a further formal inspection be made after the lapse of a period, and that action in relation to the pharmacy be determined by the nature of the report received.

Breaches of Dangerous Drugs Regulations by Dental Wholesale Houses.—Reports concerning the prosecution of four dental houses for breaches of the Dangerous Drugs Regulations were submitted, and details of fines and costs imposed were noted.

[A report of these prosecutions appears elsewhere in this issue.-Ed.]

Additions to Specified Drugs Regulations.-A proposal for the addition of two new groups of substances to the Specified Drugs Regulations was submitted by a member of the Board, and it was resolved that the suggestions be referred to the Poisons Schedules Advisory Panel for consideration.

Financial.—The Honorary Treasurer submitted the monthly financial statement showing a credit balance of £3508/8/9, and accounts totalling £1001/11/6 were passed for payment.

The meeting terminated at 4.40 p.m.

PHARMACEUTICAL SOCIETY

Council Meeting

The Council of the Pharmaceutical Society of Victoria met at 360 Swanston street, Melbourne, on July 2, at 9.30 a.m.

Present.—Mr. Eric Scott, O.B.E. (President) in the chair, Messrs. S. J. Baird, A. G. Davis, A. L. Hull, F. W. Johnson, L. Long, C. N. McLeod, J. R. Oxley, K. Ramsay, C. P. A. Taylor, F. C. Kent (Secretary), T. G. Allen (Minutes Secretary) and R. H. Borowski (Assistant Secretary) retary).

Scheduling of Drugs.-Correspondence with the Pharmacy Board concerning the scheduling of a certain pre-paration as a Specified Drug was discussed. The Pre-sident said the drug in question was not scheduled in other States. This, he thought, needed some explanation from the Board.

Mr. Baird said that the Board had added the sub-stance to the Schedule of Specified Drugs on the unani-mous recommendation of the Poisons Schedules Ad-

visory Panel.
Mr. Long said that the Pharmacy Board was very alert in these matters and that in other instances it had acted ahead of other States. After some further dis-cussion it was agreed that the Board be asked to reply direct to the person who had raised the question in the first instance

Correspondence.-Letters dealt with included the fol-

From Pears and Richardson, Sworn Valuators, con-cerning valuation of Parkville property. To the "Speculum," University of Melbourne, medical

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students' magazine, authorising the A.P.F. advertisement

To Mr. J. W. D. Crowley, forwarding names of members who returned forms for attendance at the Annual Church Service at St. Patrick's Cathedral.

From Mrs. M. Cane, thanking the Council for letter of sympathy.

New Members Elected.—Life Member: Miss Doris Smith was elected an Honorary Life Member.

Full Member: Emmanuel Marcou.

Transferred to Full Membership: Margaret Florence Chapman, Robert Paul Davies, Noel Main, Vivian James McLachlan, Peter Engel Rogers.

Apprentice Members: Judith Andrea Downey, David Reginald Phillips, Liselott Else M. Pink, Aina Rugelis, James Russell Whiting, John William Morley.

Church Services.—Mr. Johnson said the Precentor of St. Paul's Cathedral had suggested that it would be desirable in future for a printed order of service to be made available for members who attended the service at St. Paul's. It was agreed that this was desirable.

The Secretary reported that a copy of the text of the sermon given by the Precentor at the service held on June 8, had been obtained through the good offices of Mr. Attiwill and had been published in the June issue of "The Australasian Journal of Pharmacy."

A letter was received from Mr. David Prince suggesting that an annual church service might be organised for Jewish members. The suggestion was favourably received by the Council, which resolved that inquiries be made with a view to proceeding with the suggestion. It was resolved that a letter of thanks be sent to Mr. Prince for his interest.

Library.—In the absence of the Hon. Librarian (Mrs. Crawford), Mr. Johnson submitted a recommendation for the purchase of the following books for the College Library:

"The Strategy of Chemotherapy," by S. T. Cowan and E. Rowatt.

"The Evolution of Living Things," by Prof. H. Gra-

ham Cannon. "Drugs, Their Nature, Action and Use," by H. Beekman.

"The Electronic Theories of Organic Chemistry," by

J. W. Baker. It was resolved that the books as recommended be purchased.

It was resolved also that a letter of thanks be sent to Mrs. Sunderland for the gift by her of the book, "The Africa of Albert Schweitzer" for the Library. The Council was advised that Mrs. Sunderland was the daughter of a very old member of the Society, Mr. Cyril Westwood, who died recently, and the book was in memory of him.

Hospital Dispensing.—Mr. Long reported on a recent visit to Kooweerup, Lang Lang, Morwell, Traralgon and Sale, which he had undertaken in company with the Secretary. In each of the towns problems relating to pharmaceutical services for the hospitals had arisen. These were discussed and, he thought, they had been satisfactorily and amicably determined.

Mr. K. J. C. Devices representing the Civild had at

Mr. K. L. C. Davies, representing the Guild, had attended meetings of chemists of Morwell, Traralgon and Sale, and had materially assisted in the discussions and

A satisfactory arrangement giving proportional representation to Morwell and Traralgon chemists had been negotiated with the new hospital at Traralgon. At Sale a meeting of all the chemists operating in the district had been held. Some misunderstandings cleared up and a suggestion had been made that outstanding problems might be discussed at a meeting with local medical practitioners. Mr. K. L. C. Davies had offered to initiate inquiries and, if necessary, act as chairman of such a meeting.

The report was received for the President, on behalf of the Council, thanked Mr. Long for his good services and the satisfactory result achieved. It was resolved

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VICTORIA—Continued

that a letter of thanks be sent to Mr. Super, of Lang Lang, for a gift by him for the new College building, of drugs he was unable to dispose of since the transfer of the pharmaceutical services from Lang Lang to Kooweerup.

Financial Appeal: New College.—A report that preliminary arrangements for the opening of the financial appeal for funds for the new College in Parkville were discussed at length. A Launching Committee consisting of the members of the Council present at the meeting, was appointed. Mr. S. J. Baird, Honorary Treasurer, was appointed Chairman of the Launching Committee.

B.P. Lectures.—Requests were received from several members that these be printed and circulated. The Secretary said that inquiries had been made from the Lecturers who had indicated that they would be willing to supply the material, but this might take a considerable time. After considering the requests it was decided that it be a recommendation to the "Australasian Journal of Pharmacy" that the text of such lectures as were supplied be published.

Honour Conferred on President.—Mr. Oxley referred to the honour bestowed by the Queen on their President in the form of the O.B.E. He thought it appropriate that the Council members should join in honouring the President, and proposed that the Council members and their wives should entertain Mr. and Mrs. Scott at dinner at an early date. This suggestion was enthusiastically received and adopted.

Mr. Johnson said he thought also that consideration should be given at some time to the painting of a portrait of Mr. Scott for the new College. He suggested also that a group photograph of the members of the present Council should be obtained. This was a very important time in the history of the Society.

The meeting closed at 12.45 p.m.

THE P.D.L.

Directors' Meeting

The 403rd meeting of the Directors of Pharmaceutical Defence Limited was held at 18 St. Francis street, Melbourne, on July 16, at 9.40 a.m.

Present.—Mr. E. W. Braithwaite (in the chair), Messrs. I. H. Barnes, W. J. Cornell, N. C. Cossar, D. A. Lees, E. A. O. Moore, N. V. Orr, J. W. Pollock and the Secretary.

Welcome to New Director, Mr. N. V. Orr.—The Chairman said he would like to welcome Mr. N. V. Orr on the occasion of his first attendance as a Director of the company. It was the first time that the Directorate had included a representative of pharmacy outside the State of Victoria, and the addition of Mr. Orr to their number would, he felt sure, be good for P.D.L. and for pharmacy. Mr. Orr was the Chairman of the New South Wales Local Board of the company, and was also directly interested in the wholesale side as a Director of the Wholesale Drug Company Ltd. and A.D.C.A. They all gave Mr. Orr a very hearty welcome.

In thanking the Chairman for his remarks, Mr. Orr said he hoped his appointment would lead to the betterment of P.D.L. in general and also help to cement the relations between the two States. (Applause.)

Correspondence.—Formal correspondence was tabled, and the following were amongst the letters dealt with:

To Mr. N. V. Orr, advising that accommodation had been booked for him over night on July 15 at the Hotel

To Mr. Eric Scott, O.B.E., conveying the great satisfaction felt by the Directors that his name had been included amongst those honoured in the Queen's Birthday Honours List, and extending congratulations. Let-



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ter of thanks received from Mr. Scott.-It was resolved that a similar communication be sent to Mr. G. G. Jewkes, O.B.E., former Director of Pharmaceutical Services, Department of Health, Canberra.

To Mr. F. C. Kent, forwarding for consideration at a future meeting of the Medico-Pharmaceutical Liaison Committee an extract from "The Prescription," a house organ of Lederle Laboratories Division, New York. Acknowledgment received stating that the suggestion would be presented to the Medico-Pharmaceutical Liai-

son Committee if the opportunity arose.

From Mr. Nick Galatis, on behalf of the Victorian College of Pharmacy Students' Annual Ball Committee, forwarding cheque for £3/10/-, being premium for accident insurance cover of students taking part in re-hearsals for the students' revue at the annual ball. hearsals for the students' revue at the annual ball. This cover had been arranged with Melbourne Fire Office Ltd. The Chairman said the students had shown an insurance awareness in arranging this cover, and as all surplus funds arising from the ball were donated to the Victorian College of Pharmacy War Memorial Fund, he suggested that the amount paid by way of premium be returned to the students by P.D.L. as a donation to the ball funds. The Chairman's suggestion was adopted.

Some discussion ensued on aspects of insurance cover of students, including the extension of Workers' Compensation cover during the time they were at the College attending lectures and in travelling between the College and the pharmacy. Mr. Orr said this was a very interesting point. To his knowledge it had not arisen in New South Weles and he would take book the subin New South Wales, and he would take back the substance of this report to his Local Board.

To a member, confirming arrangement of chemists' indemnity insurance cover of £10,000 with Melbourne Fire Office Ltd. in respect of a new branch pharmacy. From W.A. Branch, acknowledging legal opinion re

lay-by and hire purchase.

The correspondence was received.

New Members Elected.—Mrs. Alma A. Davis, Greensborough; Messrs. Darrel T. Davis, Greensborough; Robert J. Dean, Red Cliffs; Neil Ferguson, Keon Park and Morry Wrobel, Moonee Ponds.

Journal Report.—Mr. Cossar reported on the business dealt with at the meeting of the Committee of Management of the Journal, on July 14.

Legal Advice.—A letter of thanks was received from

a member for assistance and advice given in regard to a new lease of his business premises.

A member was furnished with advice on a new lease of premises which he occupied as a dwelling as well as for the purpose of his business. The P.D.L. Solicitor, as for the purpose of his business. The P.D.L. Solicitor, Mr. Maxwell E. Dunn, had written two letters in response to the member's queries and he had also discussed other details by telephone. As it was not clear from the copy letters received from Mr. Dunn whether the different restrictions applicable to premises used also as a dwelling had been dealt with, it was decided that that aspect should be checked with the Solicitor.

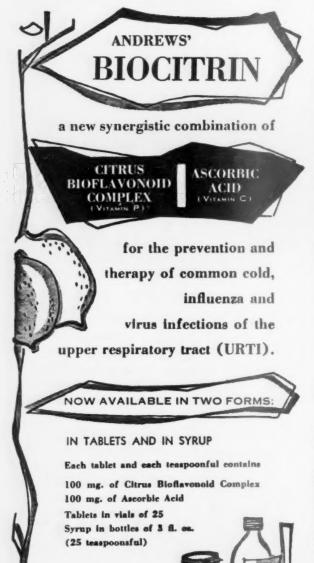
Claims.—One small claim had been settled during the

A seat provided for customers in a pharmacy was of the collapsible type, in tubular steel. A sudden move-ment by a customer whilst seated was followed by the unexpected collapse of the chair. The circumstances The circumstances were reported by the member, who held a General Public Risk (Premises) Policy with Melbourne Fire Office Ltd.

A substantial claim, in which a doctor and a member were joined, was reported by the W.A. Branch. The Directors endorsed the action being taken by the Local Board to effect a settlement.

Articles of Association: Re Range of Investments.—The further suggestion originating at the June meeting, whereby the power to invest part of the available funds in real estate should be taken now, concurrently with the proposals submitted earlier, was conveyed to the members of the Federal Council and to the Local Boards by letter dated June 19.





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VICTORIA—Continued

Replies were to hand from the Local Boards of South Australia and Western Australia, endorsing the full range of the proposals put forward, including investment in real estate, subject to the overall limitation of 40 per cent. of available funds, i.e., new money and capital sums accruing from time to time on maturity of loan investments.

A letter was also received from Mr. H. D. B. Cox, a member of the Federal Council, expressing his personal view that he could not see any objection to the extension of the principle to include investment in real estate. He had earlier expressed his personal concurrence with the extension of the general range of investments.

Mr. Cossar said while in Brisbane recently he met Mr. W. A. Lenehan and discussed this matter with him. Mr. Lenehan said the official view of the Local Board would be communicated by letter to the Secretary. Mr. Lenehan expressed his personal agreement with all the proposals, feeling that members would be safeguarded by the Head Office Board.

Mr. Orr said this matter was considered by the New South Wales Local Board at their meeting early this month. They agreed entirely with what was set forth in the first letter, namely, increasing the range of investment and setting a percentage limit of 40 per cent. They did not agree, however, with investment of P.D.L. funds in real estate. The consensus of opinion of the Local Board, which would be communicated by letter from the Branch Secretary, was that the funds would be better secured and more liquid in other avenues of investment.

The Chairman said the replies, which were due at the end of the month, would be considered at the next meeting.

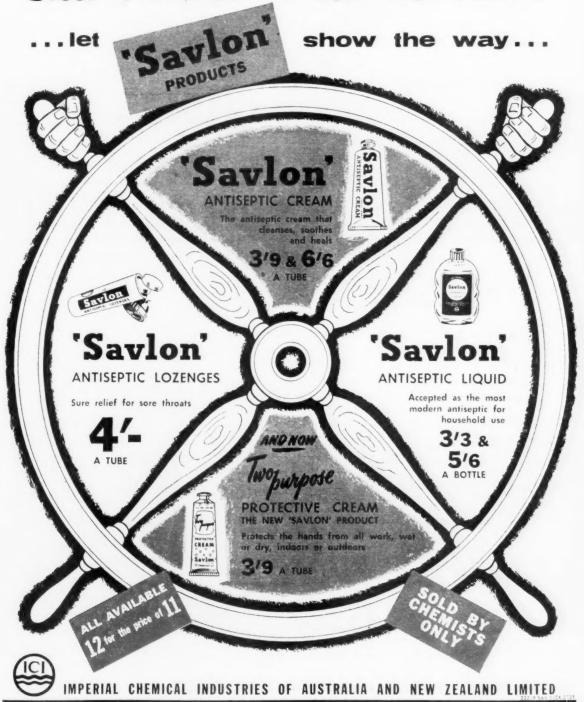
Financial.—The Hon. Treasurer presented the monthly financial statement, which showed a credit balance of £200/6/1, and accounts totalling £185/8/11 were passed for payment.

N.H.S. Dispensing.—Mr. Orr said a question causing some concern to the New South Wales Local Board was the position of chemists called to appear before a Committee of Enquiry following alleged errors in N.H.S. dispensing.

The Chairman outlined the policy followed by the Directors in such cases. Test prescriptions were being presented to chemists regularly by officers of the Commonwealth Department of Health, and there were numerous enquiries as to what members should do. The Board proceeded on the likelihood that most of the samples taken would prove on analysis to have been correctly dispensed. Therefore members were advised to put aside the portion of the sample that had been left with them. If in due course a member was called to appear before the Committee he could either appear before the Committee personally or tender an explanation by letter. If the member was confident that his preparation was correct, it was suggested that he should have his portion of the sample analysed and present the analyst's report to the Committee. If the analysis supported the member's contention, the P.D.L. was prepared to refund the cost of the analysis if this had been undertaken with the prior approval of P.D.L. On the other hand, if the analysis showed that the Department's allegations had been well founded, the member was required to defray the cost of the analysis himself. The advice therefore was not to do anything until a summons to appear before the Committee of Enquiry was received.

Booklet "On Going Into Business."—Mr. Orr said the commendation of the N.S.W. Local Board on the production of this admirable booklet had already been conveyed to the Directors. The Local Board proposed to adapt the material to conditions in New South Wales and a Committee comprising Mr. E. G. Hall and himself together with the Branch Secretary, Mr. C. Car-

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lisle, had been set up for this purpose. Their investigations so far showed that practically two-thirds of the contents of the book would have to be rewritten. It was a big undertaking, but they were making progress with it. In due course the booklet would be issued in a similar form of presentation.

The meeting closed at 12.55 p.m.

THE GUILD

S.B.C. Meeting

The State Branch Committee of the Victorian Branch of the Guild met at Guild House, 18 St. Francis street, Melbourne, on July 1, at 8 p.m.

Melbourne, on July 1, at 8 p.m.

Present.—Mr. N. F. Keith (President), Messrs. F. H. Bedford, J. W. D. Crowley, E. Scott, W. R. Iliffe, A. K. Lloyd, I. A. Silverwood, H. C. B. Henshall, A. O. C. Blake, C. M. Waters, J. K. Gosstray, J. F. Oaten, F. L. Flint, W. L. Hilyard, S. M. Adams, J. D. Clarke, G. W. Siebler, J. Garvin, D. L. McColl, J. F. Scown and W. J. Wright (Secretary).

Member's Death.—The Committee stood in silence as a mark of respect to the memory of Mr. J. J. Cocking.

Welcome to New Member.—The Chairman welcomed Mr. J. F. Scown to the meeting, representing Mr. M. J. Miles of District No. 9.

Correspondence.—A letter from the Pharmacy Board regarding the classification of Phenmetrazine as a Specified Drug was discussed and the Board's ruling accepted.

A further letter was received from the Pharmacy Board in reply to the Guild's query concerning Poisons Regulations requirements, that the name and address of the chemist should appear on the "immediate" container. It was decided to write to the Board for a ruling on lines which it is considered make strict compliance difficult.

The report from the Pharmacy Board of the meeting with the Guild and the Veterinary Association was read and it was resolved that the subject of the report be followed up.

The Committee noted the advice from the Federal Merchandising Service that the annual Federal Trade and Commerce Conference will be held in Melbourne on August 4 and 5.

Copy of a letter from the R.S.S.A.I.L.A., Chemists' Sub-Branch, concerning League members with apprentices in pharmacies was sighted, it being noted that the League considers some alteration to the present curriculum desirable.

A letter to the Public Relations Secretariat from the Latrobe Valley Hospitals and Health Services Association pointed out the lack of favourable response by chemists to the offer of agencies for this Association.

Publicity and Merchandising Fund.—Mr. Scott reported that the Federal Executive had discussed the question of making the ½ per cent. levy compulsory by including such a clause in the Constitution and Rules and that this would be considered by Federal Council.

Committee of Publicity and Merchandising Project.— Mr. Keith reported that this Committee had met, and he detailed the deliberations and decisions made.

Returning Officer's Report.—Mr. Henshall reported that he had received and counted with the Secretary all ballot papers from the members of District No. 3. He stated that the result of the count was very close, and that the successful candidates were Mr. S. M. Adams and Mr. J. T. DeRavin.

Election for Office-Bearers.—It was decided that the date for the closing of nominations for office-bearers of the Branch be 12 noon on July 21, 1958.



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VICTORIA—Continued

Committee Reports:

Proprietary Medicines Committee.—Mr. Henshall re-ported on the Proprietary Medicines Act and the diffi-

culties and anomalies associated therewith.

P.A.T.A.—Mr. Henshall reported on the position of P.A.T.A. in the price maintenance field, and stated that the Guild should get behind P.A.T.A. if it proves sincere and active, otherwise support cannot be continued. Mr. Scott moved the adoption of this report and the Guild campaign for greater chemist membership of P.A.T.A.

The motion was seconded by Mr. Clarke and carried.

Trade and Commerce Report.—Mr. Iliffe presented

this report, which was adopted.

C.O. Lines.—The list of "Chemist Only" lines drawn up by the Merchandising Department was available for

use at the Federal Conference to be held shortly.

Hanimex.—Reports that Hanimex lines had been supplied to retailers other than those approved resulted in this matter being put in order.

Federal Conference.—It was remarked that the Conference would be held on the date of the August S.B.C. meeting, and it was suggested that the delegates be invited to attend. Mr. Iliffe proposed that someone should accompany him to the Conference. Mr. J. D. Clarke was chosen for this purpose.

S.M. 33.—The S.M. Laboratories were applying for

S.M. 33 to be a Guild contract line.

Leukoplast.—This line is available at the present only through the local agent, Rocke Tompsitt & Co. Ltd. The Federal Trade and Commerce Conference would

consider accepting this as a Guild contract line.

Price Tickets.—The Trade and Commerce Conference
would discuss whether the Federal Guild should print
price tickets for distribution to chemists. It was asked
that districts report as to whether this action should be taken.

Savlon.--It was reported that I.C.I. desired to sign up all Savlon lines as Guild contract Chemist Only

Hire Purchase.—A copy of the report on hire purchase

as prepared by Counsel on instructions from P.D.L. is available for perusal by any member interested.

Lodge Committee Report.—Mr. Gosstray stated that he would attend the next District meeting at Frankston. Mr. Silverwood reported that the next District meeting would be on July 16, and it was decided that the Secretary should write to the Frankston chemists asking

Secretary should write to the Frankston chemists asking them to make a special effort to attend this meeting. New Members Elected.—Miss J. Kemp, Mordialloc; Mrs. J. D. Benda, Armadale; Mr. and Mrs. K. G. and E. R. Smith, Camberwell; Messrs. R. E. Wilson, Kingsville; J. J. Gelb, Blackburn; N. Ferguson, Keon Park; and P. F. Minahan, Dandenong.

Branch Recorded.—Miss J. L. Date, South Oakleigh. Re-entered.—Miss J. W. Lineker, Portland.

District Bemits:

District Remits:

District No. 23.-The delegate moved that H.B.A. be approached to ensure that any person transferring to a higher schedule should receive immediate benefits at the higher rate providing they transfer within a specified time. This motion failed through lack of support

District No. 3.—The delegate produced a draft of letters and moved that these be forwarded to Federal Office for consideration in lodging a protest against the arbitrary determination of the new P.M.S. fees.

The motion was seconded and carried.

A motion dealing with Flu Vaccine was not put, it being advised that the Federal Secretary has the matter

in hand.

Mr. Eric Scott, O.B.E.—Mr. Iliffe moved a vote of congratulations to Mr. Scott on his receipt of the O.B.E., stating that this was a great honour to Mr. Scott and This motion was seconded by Mr. Flint and carried with acclamation.

The meeting closed at midnight.

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PERSONAL and GENERAL

State News

Members desiring publication of personal items of interest are invited to write or telephone details to the Journal Correspondent in Queensland, Miss D. Brighouse, 'phone B 8407.

Mr. A. I. Young has purchased Mr. E. G. Clark's pharmacy at Home Hill.

Mr. T. G. Parer has purchased Mr. C. T. Stewart's pharmacy at St. George.

Mr. A. Dal Santo, of Ayr, visited Brisbane during the month.

Spiers Pharmacy, Adelaide street, was closed during the month and reopened in the new Prudential Building, North Quay.

Mr. A. M. McFarline, of Stones Corner, has estab lished a branch pharmacy in the premises previously occupied by Spiers at 101 Adelaide street, Brisbane.

Mr. R. J. Kelly has sold his pharmacy at Mitchelton to Mr. S. O. A. Mellick, of St. Lucia. Mr. Kelly has established a pharmacy at Dallas Parade, Grovelly.

Mr. H. M. Samuel, of Surfers Paradise, is establishing a branch pharmacy at Cavill Avenue, Surfers Paradise, with Mr. W. Cox as manager.

Renewing friendships in Brisbane during the month was Miss Joan Beavers. of South Johnstone, North Queensland, who has just returned from a nineteen months' visit overseas.

Engagement.—Congratulations and good wishes are extended to Mr. Malcolm Meldrum, of Milton, on the announcement of his engagement to Miss Jill Menzies,

Birth.-Congratulations to Mr. and Mrs. G. A. Garozzo, of Mitchelton, on the birth of a son, making their fourth in the family.

Appointment of Chief Pharmacist

Pharmacists throughout Queensland will be pleased to hear of the appointment of Mr. K. L. Bate. who has succeeded Mr. J. J. Doyle as Chief Pharmacist for the Commonwealth Health Department in Queensland. Mr. Bate joined the Department in 1951 as Pharmacist (Inspection) in this State.

Mr. A. P. Brammall, a former President of the Tasmanian Branch of the Guild, has taken the position Mr. Bate formerly occupied with the Commonwealth Health Department in this State.

QUEENSLAND CHEMISTS' GOLF CLUB

The July outing of the Queensland Chemists' Golf Club_was held at the Keperra Country Club on July

20. Results were:—
A Grade: L. Fogg, 31 points.
B Grade: B. Benjamin, 33 points.
Four-Ball: P. Hill and M. Jones, 55 points, won after

Four-Ball: P. Hill and M. Jones, 55 p a tie with G. Kemp and G. Newman. Visitors: Dr. J. Hansen, 35 points. Associates: Mrs. Campbell, 28 points. Nearest the Pin: L. Martin.

The next outing will be held at Virginia Golf Club on August 31. The club welcomes all chemist golfers, and the secretaries, Mr. C. C. Noble and Mr. W. Fitzgerald, will be pleased to receive entries or give information. Telephone FA 0201.

IMPORTANT GUILD MEETINGS

Interstate visitors during the month included the Federal President, Mr. Eric Scott, O.B.E., and the Federal Director of Pharmaceutical Public Relations, Mr. K. G. Attiwill, who have come to Queensland on Guild business.

The first meeting of chemists from Beaudesert to the Queensland-New South Wales border was held at Lennons, Broadbeach, on Sunday, July 20. Seven members of the Queensland State Branch Committee accompanied Mr. Scott and Mr. Attiwill to that meeting.

A general meeting of members was held at Brisbane on Monday, July 21.

Visitations to the North during the remainder of July were arranged as follows:

Tuesday, July 22, Maryborough.
Wednesday, July 23, Bundaberg.
Thursday, July 24, Rockhampton.
Sunday, July 27, District meeting, Cairns.
Tuesday, July 29, Townsville.
Wednesday, July 30, Mackay.

CHEMISTS' BOWLING CLUB

The first round for the Milne Browne Cup played for by representatives of the three professions, doctors, dentists and pharmacists, was played on July 3, when the chemists played the dentists and were successful by a narrow margin. The result of the day's play was as follows:

		Dentists
McWatters, Nolan, Roush, Hall	22	18
McGuire, Coffey, Archibald, Ward	26	23
Vance, H. Lenehan, Thorsen, Bell	19	21
	_	_
	67	62

Results of the next round, pharmacists v. doctors, on July 20, were not available at the time we closed for

On July 6, members of the Chemists' Bowling Club visited Hamilton. An enjoyable afternoon was spent, the home players being the victors on the day. The scores were

					Hamilton
		Fitzsimmo		18	18
		erson, McW		20 21	23 24
		Coffey, Wiley			33
Miccial	ic, being	, , , , , , , , , , , , , , , , , , , ,	, 20011	 _	_
				72	98

The second round of the club singles played during the month resulted as follows: Archibald 21, Dr. Jobbins 19, Hall 21, Coffey 9, Lenehan 21, Nolan 8, Ward 21, McWatters 18, Wiley 22, Vance 7.

On August 3, two rinks from the club will play against the Postal Institute at Newmarket, and a further two rinks will play against the Social Clubs' Association, also at Newmarket.

PHARMACEUTICAL SOCIETY

Council Meeting

The Council of the Pharmaceutical Society of Queensland met at Drysdales Chambers, 4 Wickham street, Brisbane, on July 10, at 8 p.m.

Attendance.—Messrs. L. A. Stevens (President), B. Page, I. M. Young, A. B. Gainford, C. G. Caswell, J. E. McCaskie, J. S. D. Mellick, R. V. S. Martin, Miss G. McD. Elliot, and the Secretary.

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CHEMICAL ANALYSIS

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QUEENSLAND—Continued

Correspondence.—To the Editor "A.J.P.," expressing appreciation for the inclusion of the "Animal Health Notes" in recent issues of the Journal. Stating the Council considers that these notes must be of inestimable value to pharmacists in country areas throughout the Commonwealth.

To Pharmaceutical Society of Victoria, advising that the new British Pharmacopoeia will become operative in Queensland as from December 1 next. It is noted that the Victorian Society is arranging a series of lec-tures on the new B.P. Under the circumstances, inquiring if the lectures will be available in printed form. Reply, advising an approach will be made to the lecturers to ascertain if they are prepared to supply the material for publication, and the question will be discussed shortly.

To Pharmaceutical Society of Great Britain, advising this Society has established a Fellowship Course, which is being made available by the University of Queensland. The course is based on various books, many of which, unfortunately, are not available in Australia. Forwarding the list of publications which are required, and inquiring if the Society has these books in stock or if they could be procured and despatched to this Society.

To Queensland Multiple Sclerosis Society, advising the Council considers the distribution of pamphlets by pharmacists is a matter for the individual pharmacist's decision.

To Mrs. H. Southgate, Secretary, Women Pharmacists' Federation, expressing regret at the death of the first President of the Federation, Miss Freda Smalley.

From a country member, re Physeptone.—After discussion, it was agreed that the member be advised that Physeptone is a Dangerous Drug, irrespective of the quantity used.

From Pharmaceutical Association, attaching copy of correspondence received from the Customs and Excise Department, in connection with the supply to chemists of rectified spirit. Lengthy discussion ensued concerning this correspondence. Members said they felt that two gallons per month was not an excessive quantity of spirit to obtain per pharmacy. However, it was agreed that the Association be advised that this Council considerable that the description of the control of the siders that two gallons per month is a reasonable esti-mate; but if the Department deems it necessary to mate; but if the Department deems it necessary to reduce the quantity the Council recommends that it do so on a yearly basis, rather than per month. Fur-ther, the Council feels that if the Department has evi-dence of abuse it should take steps for prosecution.

New Members Elected .-

Full Member: Mr. A. I. Young, Ayr. Associate: Mr. R. J. Andrews, Clayfield.

Pharmacy Board .- Mr. Martin reported that the British Pharmacopoeia 1958 will become operative in Queensland as from December 1 next.

Liaison Meeting.-The President said all members had received a report of the last liaison meeting, when full consideration was given to amendments Pharmacy Act. Mr. Mellick moved that the minutes as circularised, be taken as read and confirmed. Seconded by Mr. Page. Carried.

Honour Board.—Mr. Caswell said he felt that to es-

tablish an honour board the Society must have a comprehensive list of the personnel who served during the war years. He realised it had been very hard to secure the names. Nevertheless, unless the list was complete, there would be little purpose served in erecting the honour board.

Mr. Mellick suggested that the names that were available at present be published in the next issue of the Bulletin, so that anyone eligible for inclusion whose name was not shown could advise the Secretary. The meeting closed at 11 p.m.

THE GUILD

S.B.C. Meeting

The State Branch Committee of the Queensland Branch of the Guild met at Drysdales Chambers, 4 Wickham street, Brisbane, on July 3.

Attendance.—Messrs. W. A. Lenehan (President), C. A. Nichol, W. E. Martin, F. H. Phillips, A. B. Chater, A. M. McFarline, A. W. Eberhardt, J. J. Delahunty, R. M. Ward, A. Bell, L. W. Huxham, H. Darrouzet and the Secretary.

The President extended a welcome to Mr. McFarline and Mr. Chater, both of whom had been indisposed for a month or so. He was now pleased to see them looking so well. The President's remarks were endorsed by other members.

Report re Salk Vaccinations.—The Secretary reported that the office had been inundated with enquiries from members regarding distribution of the Salk Vaccination forms. All chemists in the Brisbane area apparently had received numerous enquiries from customers seeking advice concerning vaccination. Apparently some of the information published in the newspapers was incorrect. correct. After discussing the matter with the Executive, it was agreed that she contact Dr. Patrick

Dr. Patrick advised that only 36 chemists had had the application forms for the Salk Vaccination, but as a result 13,000 applications had been received—one chemist alone handling 769 applications at his pharmacy. Dr. Patrick realised the numerous enquiries which had been received, and he promised to try and rectify the wrong information by having another article published in the press. Dr. Patrick stated that the next batch of application forms would not be distributed until the middle of August at the earliest, and he had promised to make a list of suburbs available to the Secretary, so that this information could be circularised at an early date. The chemists in the areas concerned would then be conversant with the position.

The Secretary said that Dr. Patrick had asked her to convey to the Guild Committee his sincere appreciation of the co-operation and help he had received, not only from the Guild, but from the individual pharmacists.

New Members Elected.—Messrs. M. Kirke, Ayr; T. G. Parer, St. George and W. F. Hile, Pialba.

Branch Pharmacy.-Mr. A. M. McFarline, 101 Adelaide street, Brisbane.

Correspondence.—Telegram to the Federal President, Mr. Eric Scott, offering congratulations on the honour of O.B.E. having been conferred on him by the Queen. Mr. Lenehan said he had received a letter from Mr. Scott, expressing appreciation for the congratulations and good wishes which had been extended to him, and conveying his pleasure at his forthcoming visit to Queensland.

To Federal Secretary, enquiring if the law requires a pharmacist to take stock of general Pharmaceutical Benefits when purchasing a pharmacy or opening a pharmacy.—Reply, advising the National Health Act was amended in 1955 to provide for particulars of stocks that have been or are Pharmaceutical Benefits in possession of an approved person. The Commonwealth Health Act covers all States and was operative in Queensland when the Act was amended in 1955.

To a member, advising members of the Committee To a member, advising members of the Committee supported the views expressed concerning photographic goods being made available to the public by wholesalers, very often through friends who have accounts with such wholesalers. Advising the matter is being taken up with Mr. McInnes, himself a pharmacist and Guild member, who is also President of the Photographic Dealers' Association, to see if it will be possible to wrange for wholesalers to only worth the probable. to arrange for wholesalers to only supply to people who were photographic dealers.

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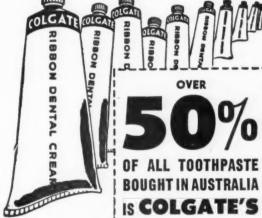
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QUEENSLAND—Continued

From Federal Secretary, advising that the date for the annual meeting of the Federal Council had been fixed for October, 26. Remits must be in his hands by August 26.

The President asked members to give thought to possible remits which could be forwarded by this Branch for consideration by the Federal Council. These remits would have to be submitted to the next meeting of the Committee.

From Guild Federal Merchandising Manager: (1) Advising annual Federal Trade & Commerce Conference would be held in Melbourne on August 4 and 5. Inviting this State to be represented thereat, and requesting that any remits for the Conference be forwarded as early as possible. It was resolved that Mr. Delahunty represent this Branch at the Conference.

(2) Re Kodak agencies, advising having discussed this matter fully with Mr. F. Manning, General Sales Manager. Attaching copy of Mr. Manning's reply in relation to Kodak dealership. Noted.

From Mr. L. Hall, tendering his resignation as a member of the Committee.—After discussion, it was agreed that Mr. Hall's resignation be accepted with regret and that he be thanked for his services as a member of the Guild Committee.

Federal Delegate's Report.—Mr. Martin reported on items which had been referred to him for attention during the month. He said he had received a copy of a letter forwarded from the Public Relations Secretariat to the State Secretary, seeking advice as to the value of Pharmaceutical Benefit prescriptions dispensed in this State for the year ended June 30, 1957, and for the P.M.S. prescriptions for the same period, together with the approximate individual value of each item dispensed. Other information was also required through this questionnaire. The President advised that the Secretary was attending to this information and would forward it to Mr. Attiwill as soon as possible.

Merchandising.—Mr. Delahunty reported on Merchandising matters he had received during the month requiring attention.

With regard to tax cards, Mr. Delahunty said the Merchandising Section had now available a tax card stand, and Mr. Ross had requested him to draw attention to the fact that if this State was giving consideration to the printing of tax cards, they should be made to fit the stand which was now available.

Pricing.—The State Pricing Officer, Mr. Chater, referred to the Committee for its consideration and recommendation various matters which had been directed to him by Federal Office.

Pharmacy Board.—Mr. Nichol reported on matters which had been engaging the attention of the Board during the month.

Liaison Committee.—Mr. Lenehan reported since the last State Branch Committee meeting the Liaison Committee had met twice, chiefly working on recommendations concerning additions and alterations to the Pharmacy Act. The Secretary had prepared the recommendations emanating from the last meeting, and these had been circularised prior to the Guild meeting, so that members would have the opportunity to peruse them and offer their views at this meeting.

Visit of the Federal President, Mr. Eric Scott, and Mr. Attiwill.—The President said the Secretary had now prepared the itinerary for the forthcoming visit of Mr. Scott and Mr. Attiwill, and details were placed before the meeting. They would arrive on July 19. A district meeting was planned for the South Coast, taking in the members from Beenleigh to the Border Gates. It was hoped to establish a South Coast Zone. As Tweed Heads was so close it was agreed that the three Guild

members in Tweed Heads also be invited to the meeting.

Mr. Lenehan said it was three years since Mr. Scott had visited Brisbane, and he felt it should be possible to arrange an enthusiastic meeting.

Mr. Lenehan then reported on other arrangements that had been made for visits to Maryborough, Bundaberg, Rockhampton, Mackay, Townsville and Cairns.

Members of the Committee endorsed Mr. Lenehan's suggestion for a general meeting on the evening of July 21, and the Secretary was requested to make the necessary arrangements.

Taxation Deduction Cards.—Mr. Darrouzet presented the quotations he had received for printing 15,000 and 20,000 taxation deduction cards. It was agreed that further consideration be given to this matter at next meeting.

Mr. Nichol suggested that as many members would have required these cards by July 1, the printing of the cards should be proceeded with when a suitable quotation was received, and the cards distributed to those who required them.

The meeting closed at 11.45 p.m.

Commonwealth News

PERSONAL and GENERAL

PENSIONER MEDICAL SERVICE—COST OF DRUGS

The Honorable the Minister for Health, Dr. Donald Cameron, in the House of Representatives, on May 13, replying to a question asked by Mr. Ward, stated that a letter had not been sent out to doctors functioning under the P.M.S. Scheme, requesting that prescribing of expensive drugs be curtailed.

R.A.A.M.C.

The following appointments were published in the Commonwealth Gazette dated June 19:-

Hammond, W. F., Lieutenant (Temporary Captain), promoted to the rank of Captain May 3, 1958.

Bodimeade, Glyn D., to be Lieutenant April 21, 1958, with short service commission for two years.

Tuohy, Peter John, to be Lieutenant (provisionally) March 5, 1958.

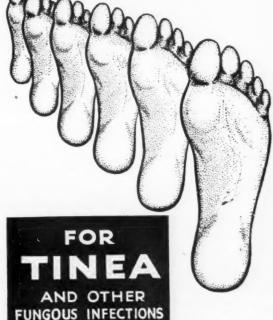
Ball, A. A., Eastern Command, placed upon the Retired List with permission to retain rank and wear the prescribed uniform, April 30, 1958.

Captain H. Longden has been transferred to the Reserve of Officers (Western Command) (27/3/58).

Captain K. M. Boundy has been placed upon the retiring list (Southern Command) and has been granted the honorary rank of Major with permission to wear the prescribed uniform (18/3/58).

Lieutenant K. L. Bate has been appointed from the Reserve of Officers (11/3/58) and will hold the rank of Temporary Captain as from March 19.

UNDEX



In the summer months when tinea and other fungous infections become most active the demand for a dependable preparation for their treatment increases in proportion.

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The Cream — in 20-gram tubes
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H AUSTRALIA

PERSONAL and GENERAL

State News

Members desiring publication of personal items of interest are invited to write or telephone details to the Journal Correspondent in S.A., Mr. E. F. Lipsham.

Bruce Thompson writes from Geneva, Switzerland, at the start of a motor tour of Europe, including Spain, Italy, Yugoslavia and other countries, before returning to London for a second poorly appreciated English

Mr. C. Parker is to assist Mr. M. Woollard, of North Unley, in August, and Mr. N. Jolly, of Hyde Park, in the following month.

Mr. L. Rostek is now registered as the manager of Mr. A. Tivers' pharmacy in Henley Beach South.

Miss E. Lokan spent July in the Woodlands Park pharmacy conducted by Mr. A. Field.

Mr. E. Preece is in charge of the dispensary of the Parkside Hospital, as well as that at Northfield and

Yatala.

Mr. T. Christie visited Port Pirie in July to act as locum for Mr. J. Brett, of Nettings' pharmacy.

Mr. D. Telfer has resigned his long-established managership of Carrigs-Chemists Ltd., Rundle street, Adelaide, to take over the control of a large pharmacy in Warrnambool, Victoria. Mr. Rex Martin is to take his place in Adelaide.

Mr. J. Jelfs acted as locum in July for Mr. C. Ward, of Richmond, and Mr. B. Kildea, of Kingscote, Kangaroo Island.

Mr. H. C. Sherman has purchased Bevilaqua's Phar-

macy, Prospect road, Prospect.

Mr. J. Cacas has moved his pharmacy to 127 Hindly street, a few doors from the original site. His brother, Mr. D. Cacas, is registered as manager.

Mr. M. Eckersley assisted Mr. J. Caught, of Millicent, during June and July.

Mr. E. Wheeler has been relieving Mr. R. Gray, of

Torrensville, and Mr. N. Hammat, of Seaton, in past

Mr. B. Holland is in charge of the pharmacy section of the Queen Elizabeth Hospital at Woodville.

Mr. A. Flower acted as reliever for Mr. G. Smylie, of Hampstead Gardens, for three weeks in July.

Miss Diane Campbell returned at the end of June on the "Strathmore" after 18 months in Furgree.

the "Strathmore" after 18 months in Europe.

Mr. G. Goldsach spent July managing for Mr. O.
Conly, of Gawler, and Carrigs-Chemists Ltd., Rundle street, Adelaide.

Mr. K. Rodger, manager of Runge-Pharmacy, Grenfell street, Adelaide, took his vacation in June-July.
Mr. C. Parker acted as locum.
Mrs. Ewers has received a letter from Marina Folkert.

telling of completing her studies in California to obtain her degree in pharmacy, and asking for an affidavit of having had sufficient practical experience to sit for the State Board Registration Examination.

Miss Zeta Walsh has returned to duty at the Royal Adelaide Hospital.

A card from Jeanette Thomas and Diane Campbell, posted in Paris, reports all well and an excellent holiday in France and Germany.

Mr. E. Sinclair has moved from the Port Augusta
Hospital to the Royal Adelaide Hospital to take charge
of the out-patients' department.
Mr. J. Measday has purchased the pharmacy of Mr.

Mr. J. Measday has purchased the pharmacy of Mr.

H. C. Sherman in Brooklyn Park.

Mr. R. J. Preiss passed through Adelaide in the middle of July en route for Perth on an Australia-wide tour as managing director of Riker Laboratories (Aust.) Pty. Ltd. After accepting this position, he toured the United States of America, England, the Continent, and returned via South Africa to begin the task of establishing production laboratories on behalf of this com-

Mr. D. Scrivener, of Gladstone, has purchased Brighton Pharmacy from Mr. H. G. Collyer, and sold his business in Gladstone to Mr. J. Cracknell, who has been managing for Rasheed's, of Orroroo.

Mr. G. Goldsach acted as locum early in July for Mr. J. Maxwell, of Tranmere.

Mr. V. Moriarty attended at Webbers' pharmacy, King William street, south, in recent weeks to allow the manager, Mr. B. Phillips, to have his holidays.

ENGAGEMENT

MacDonald-McKenzie.-The engagement is nounced of Margaret Rosemary, elder daughter of Mrs. and the late Mr. G. N. A. MacDonald, of St. Georges, to John David Blair, only son of Mr. D. B. and the late Mrs. McKenzie, of Royston Park.

MARRIAGE

Corner—Hole.—The marriage of Judith Pamela, eldest daughter of Mr. and Mrs. J. Corner, of Parkside, to Ronald, only son of Mr. and Mrs. H. E. Hole, of Fullarton, was solemnised at Parkside Methodist Church on June 21. Best wishes.

BIRTHS

Egar (nee Harris) .- To Pat and Paul, at Berri, June 28-a son.

Humble.-To Judy and Bill, at Burnside, on June 11 a son (Brian William).

Darwin.-To Glad and Lloyd, at Memorial, on June -a daughter (Jennifer Ann).

Taylor (nee Tanner).-At Streaky Bay, to Joyce and Ron-a son. Stillborn.

PHARMACEUTICAL SOCIETY ELECTIONS

Messrs. K. D. Johnson, E. F. Lipsham and Miss L. Walsh have been re-elected members of the Council of the Pharmaceutical Society of South Australia for

the next two years.

At the July meeting of the Council the retiring officebearers were re-elected for the year, namely:-

President: Mr. D. J. Penhall. Vice-President: Mr. K. D. Johnson. Treasurer: Mr. A. A. Russell.

£200 LOSS IN SMASH-GRAB RAID

Wrapped in a woollen cardigan, a brick was hurled through the window of Hardy's pharmacy in Hutt street, Adelaide, on July 8.

Through the hole (big enough to admit a man) thieves stole three 35 mm. cameras, women's sunglasses, and a projector, together valued at £200.

PHARMACY BOARD REMINDER

The Pharmacy Board of South Australia desires to remind registered pharmaceutical chemists of their obligation to advise the Board office immediately of their occupation of new premises or changes of address

Also, notice must be given in advance of relieving duties to be carried out by the relieving pharmacists.



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SOUTH AUSTRALIA—Continued

RETURN OF MR. R. A. ANDERSON

Mr. R. A. Anderson returned to the Pharmacy Department of the University of Adelaide in the third week of July. His last few weeks in America were spent in visiting Chicago, Madison, Minneapolis, Seattle -up in Canada to Vancouver, and back again to San Francisco, thence by plane for home via Honolulu-Fiji, before landing in Sydney on July 12.

THE MOST DANGEROUS AGE

According to figures released by the Adelaide Children's Hospital, analysing 325 cases of poisoning for the preceding twelve months, eighteen months is the most dangerous age for children in relation to the drinking or eating of poisons.

The following statistics were quoted:-

The poisons swallowed and the number of children affected were:—Petroleum distillates, 97; medicines, 76; pesticides, 46; polishes and turpentine, 40; miscellaneous group (including match-heads, hair lotions, volatile deodorants and radioactive paint), 66.

The number of children swallowing poisonous liquids dropped by 50 per cent. last winter.

This showed the need to keep small children well supplied with water in hot weather, a hospital spokesman said.

PHARMACY BOARD

Monthly Meeting

The Pharmacy Board of South Australia met at 27 Grenfell street, Adelaide, on June 25, at 7.45 p.m.

Present.-Mr. K. S. Porter (President) in the Chair, Messrs. G. L. Burns, D. C. Hill, E. F. Lipsham, B. F. Mildren, L. A. Craig, R. C. McCarthy, and the Registrar.

Correspondence.-Copy of minutes of meeting of the Poisons Schedules Advisory Panel, held on May 12, were received from the Pharmacy Board of Victoria. Mr. McCarthy agreed to examine the minutes and report on any items of interest therein to the next meeting.

Letters to and from Adelaide Fire Office re renewal of Employers' Liability Policy.

From a pharmacist requesting clarification of position relating to number of apprentices permitted in a pharmacy. The provisions of retail Pharmaceutical Board Determination were explained in reply.

Practical Experience Examination.-It was resolved that the Practical Experience Examination for appren-tices be conducted in the Pharmacy Department at Darling Building on August 14, at 6.35 p.m.

Inspector's Reports.-Reports on inspections carried out during the month were received and noted and the necessary action authorised.

Labels.—Reports on labels were received and correspondence thereon duly noted.

Finance.—Statement for the month of May was submitted and adopted, and accounts totalling £32/13/-were passed for payment.

Administration Expenses for Half-Year Ended June 30, 1958.—It was resolved that authority be given to the Registrar to pay to the Pharmaceutical Society of South Australia the Board's proportion of Adminis-tration Expenses on the same basis as formerly.

Adelaide Conference 1959.—The Registrar submitted a progress report on discussions since the previous

Depots.—Letters to Mr. J. W. Bourne advising approval of depots at Port Victoria and Ardrossan.

Apprenticeship Indentures.—Registrations comprised six new indentures, five assignments, four sets completed and one cancelled.

Certificates of Identity.—To Pharmacy Board of Victoria forwarding Certificate of Identity on behalf of Mr. D. Telfer.

From Pharmacy Board of Victoria forwarding Certificate of Identity on behalf of Mrs. H. Jamieson.

Relievers.—Mr. M. I. Brady to Mr. E. P. Stones. Mr. R. Burlinson to Messrs. C. N. Pfeiffer and J. Entwistle. Mr. J. Davies to Mr. P. Garrett. Mr. R. Derrick to Mr. J. Davies to Mr. P. Garrett. Mr. R. Derrick to Tiver & Tiver. Mr. M. R. Eckersley to Mr. J. Entwistle and Mrs. A. R. Williams. Mr. C. S. Feist to Mr. K. Oswald. Mr. A. M. Flower to Mr. G. M. Smylie. Mr. G. B. Glastonbury to R. B. Clampett. Mr. G. R. Goldsack to Mr. R. W. Goldsack. Mr. J. R. Jelfs to Messrs. W. W. Ericksen, T. A. Clerk and R. J. Brougham. Mr. C. G. John to Mr. Manning. Mr. D. King to Messrs. V. Mitchell and R. Clampett. Mr. H. A. Knightley to Mr. H. N. Flaherty. Miss E. B. Lokan to Mr. H. D. Cheek. Mr. T. Maloney to Mr. G. Moroney. Mr. A. G. Mathieson to Mr. J. B. Ryder. Mr. W. G. Meldrum to Mr. R. E. Hibble. Mr. V. J. Moriarty to Messrs. P. R. Drake and P. R. G. Maloney. Mr. B. C. Nicholls to Mr. H. A. Brauer. Mr. J. S. Pain to Messrs. B. G. Wandke and B. H. Lawton. Mr. C. J. Parker to Messrs. K. C. G. Huxtable and M. J. Woollard. Mr. D. R. Thompson to Miss M. Bateman, and Mr. W. Vivian to J. & J. Bourne. J. & J. Bourne.

PHARMACEUTICAL SOCIETY

Council Meeting

The Council of the Pharmaceutical Society of South Australia met at 27 Grenfell street, Adelaide, on June 5, at 7.45 p.m.

Present.—Mr. D. F. J. Penhall (President) in the Chair, Messrs. K. D. Johnson, E. F. Lipsham, A. A. Russell, and Miss Z. M. Walsh and the Secretary.

Apologies .- Messrs. B. G. Wandke and J. R. Pickering. Minutes.-Minutes of meeting held on May 7, 1958, as circulated, were taken as read and confirmed.

Gift of Measuring Cylinder.—The Senior Lecturer reported the receipt of a gift from Mr. R. Grist of a 10,000 fluid grain measuring cylinder as B.P. 1885. The cylinder was produced for inspection, and Mr. Lipsham gave a brief history of its use, which was prior to the adoption of the metric system into pharmacy. The Secretary was directed to acknowledge the gift with appreciation.

Civil Defence School.-Letter from Civil Defence Organisation, Adelaide, advising further school to be held at Macedon from November 29 to December 6, 1958, and asking for one nominee. The Secretary was directed to inquire further details of the type of school to be held during the period mentioned.

Finance.—Statement to the end of May was submitted. and accounts totalling £3690/3/- were passed for pay-

A.N.Z.A.A.S.—Projector: The President reported on a discussion with the Visual Aids Section, Education Department. partment. The latter had strongly recommended the 750 watt Waterworth Projector for several reasons. The report was received, and it was resolved that the pur-chase of a Waterworth 750 Projector be completed as soon as possible on the best available terms.

Functions.—The conduct of the recent Complimentary Dinner to newly qualified members was discussed. Consideration was then given to arrangements for a future function, and the Secretary was directed to place the subject on the agenda for the January, 1959, meeting.

Post-Graduate Talks.—The Vice-President reported

SOUTH AUSTRALIA—Continued

on a circular forwarded to members regarding the two industrial visits, and stated that he had been unable to bring the proposed third visit into effect. The nature of the third meeting was left for consideration at the July meeting.

Annual Elections.—The Secretary advised that the ballot papers had been posted to all members.

Annual Meeting.—The Secretary's action in having booked the Curzon Theatrette for the Annual Meeting was endorsed.

THE GUILD

S.B.C. Meeting

The State Branch Committee of the South Australian Branch of the Guild met at 61 Gawler place, Adelaide, on July 14, at 7.30 p.m.

Present.—Messrs. E. L. Miller, A. A. Russell, R. R. Patrick, A. G. Lean, J. C. Measday, Walter C. Cotterell, G. P. Bartold, H. G. Collyer, V. L. Mitchell, A. C. Holloway and L. H. Duncan (Secretary).

Saturday Night Closing.—The Secretary reported that he had consulted with the Guild Solicitor, Mr. Cornish, and had obtained a specimen Referendum form and proposed circular to be despatched to all members.

On the closing date the Returning Officer, Mr. A. G. Lean, accompanied by the Secretary, collected the Referendum papers from the G.P.O.

It was resolved following upon representation by members and views expressed in the Referendum that as and from July 14, 1958, and until further notice, members of the Guild carrying on a pharmaceutical business in the metropolitan area of Adelaide as defined by and included in the definition of that term under the Food and Drugs Act 1908-54 shall close their pharmacies for trading with the public on Saturdays at the general mid-day closing hour.

It was further resolved that this resolution, with appropriate explanation, be circulated to all the financial members of the Guild with an explanation of their duty to dispense urgent prescriptions after hours.

Pasteltone Toilet Rolls.—Advice from Federal Merchandising Service stated that the manufacturer would henceforth cease to supply the South Australian market with this product.

Prices Department.—The Secretary reported the result of his interview with the Prices Department on June 6.

A letter had been written to the Prices Commissioner asking him to give consideration to giving an assurance that a reasonable increase in dispensing fees will be granted if a proper check of dispensing times, made in conjunction with their Department, shows that the original figures submitted by the Guild are reasonably correct. A copy of this letter had been sent to the Premier. No reply had yet been received from the Prices Commissioner.

A letter was received from the Queensland Branch advising that the professional fees had become operative as from May 1 last and were adopted with the full sanction and authority of the Prices Minister and the Prices Commissioner.

Goanna Oil and Salve.—The President reported that he had referred the new prices to the Retail Storekeepers' Association. Blue Cross Association.—Secretary read a letter from the Public Relations Secretariat stating that the Guild Federal Executive had approved the suggestion that all States, other than South Australia, should submit statistics along the lines of those prepared by South Australia.

The Secretary then read a letter from the Mutual Hospital Association which stated that after discussing this matter fully, the Association did not propose to extend its activities beyond the provision of Hospital and Medical Benefits to its contributors.—It was decided that a copy of this letter should be sent to Mr. Attiwill.

Nestle's Lactogen.—The Secretary reported that no further information had been received from the Federal Merchandising Service concerning the action to be taken by that company to clean up the situation regarding special discounts.

Sundries Price List.—It was decided to withhold arrangements for printing of the Sundries List until after the Commonwealth Budget had been announced.

A. & N.Z. Association for Advancement of Science.— Secretary rported that a booking had been made at the Y.W.C.A. Hall, North Adelaide, for Tuesday, August 26. Arrangements had been made with Quigley's the Caterers for the other A. & N.Z. Association functions. These arrangements were confirmed.

Department of Health Investigators.—The President reported upon his interview with Mr. Fewell, of the Department of Health, who took the opportunity of introducing him to Mr. Morrison, the Inspector. The interview had been quite satisfactory, and as a consequence an appropriate circular had been sent to all members of the Guild as well as the members of the B.M.A. in an effort to clarify the responsibilities of members.

Lay-By and Hire Purchase Agreements.—Mr. Patrick advised that he had read the letter dated May 29, from Pharmaceutical Defence Ltd. Head Office, Melbourne, and suggested that the letter be filed for future reference of the State Branch Committee.

Ballot for Committee Members.—The Secretary reported that nine nominations had been received, from Messrs. G. Bartold, W. W. Eriksen, A. C. Holloway, A. G. Lean, E. L. Miller, V. L. Mitchell, J. Physick, J. G. Somerville and J. W. Stain. As there were only six vacancies a ballot would be necessary.

It was resolved that the date of closing of the ballot be July 29.

It was resolved that the first five members elected as a result of the ballot be appointed for a two-year term and that the sixth member elected occupy the balance of Mr. H. G. Collyer's term, namely one year.

Message of Sympathy.—The Secretary reported that at the request of the President he had sent a letter of sympathy to Mr. G. W. Spencer following the death of his son.

Taxation Cards.—Secretary reported that the form of the taxation cards had been altered and now gave a brief description of items not claimable. These new cards were now available. It was resolved that the question of a new card of improved form be referred to the Trade and Commerce Committee for their consideration and report.

F. H. Faulding & Co. Ltd. Perfumery Mark-Ups,— Secretary advised having had a discussion with Mr. Mill, who had advised him that there would be some improvement in the margins in the future.

The Pricing Officer advised that a new price list had

SOUTH AUSTRALIA—Continued

recently been received from F. H. Faulding & Co. Ltd. and there had been some improvement in the margins.

Correspondence.—From Federal Office, advising that the Annual Meeting of the Federal Council would commence on October 26. Remits for discussion at the meeting should be in the possession of the Federal Secretary by August 26.

A letter was received from Mr. E. Scott acknowledging the congratulations forwarded by the South Australian Branch on his being awarded the O.B.E.

Federal Trade and Commerce Conference.-This Conference had been fixed to be held on August 4 and 5. Mr. Patrick had drawn up and forwarded three remits.

Mr. Patrick then presented the Agenda for the Conference and obtained the views of the State Branch Committee on each item.

Adelaide University Pharmaceutical Students' Association.—It was resolved that Mr. H. G. Collyer would attend the Students' Annual Dinner on July 24 to represent the Guild, and that the Secretary of the Students' Association be advised accordingly.

New Members Elected .- Messrs. John Cleveland Measday, Brooklyn Park; Donald Elkie McLaren, Kings Park; Neil Lawrence Smyth, Greenacres; Tom Joseph Wigley, Torrensville; and R. E. Martin and O. Johnson, Strathalbyn.

Pricing Officer's and Federal Delegate's Report.—Mr. Cotterell referred to the following matters:—Wyeth Product A.S.M. Price Mark-up; Commonwealth Health need for incorporation of a sterilisation fee; Allen & Hanburys Ltd.; Consolidation of dispensing fees throughout Australia—Dangerous Drug Fee should be 1/-; Rotary Calculators and Thomas Table, advising that Federal Office was printing new copies; New Repatriation Agreement. patriation Agreement.

Annual General Meeting.—In an effort to ensure that only financial members entitled to vote at the Annual General Meeting were present, the Secretary was instructed to see that a list of members was available at the Annual General Meeting and that all members attending be given name tags. This would also have the effect of enabling members to get to know one prother better. another better.

P.M.S. Dispensing Fees.—It was decided that a letter should be written to the State Department of Health making a strong protest against the flat rate of 3/for all prescriptions. Federal Office to be advised of this action.

Mr. H. G. Collyer—Resignation.—Mr. Collyer advised that this would be the last time that he would be present at the State Branch Committee Meeting, as he had disposed of his pharmacy and would cease to carry on business after August 11.

The President thanked Mr. Collyer for his services as an officer of the Guild for so many years, during which time he had faithfully served the interests of the Guild, and wished him well for the future.

The Pharmaceutical Association of Australia.—The The Pharmaceutical Association of Australia.—The Secretary read a letter date July 7 from the Association and also the attached letter from the Department of Customs and Excise. This letter dealt with the supply to chemists of spirits delivered under Excise Tariff Item 2 (m). The Secretary was instructed to reply stating that this State Branch considered that 12 gallons per annum would be sufficient, but suggesting that it be made possible to purchase two-gallon lots to cover two months' supply in the one delivery. months' supply in the one delivery.

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Each fluid ounce includes:

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SOUTH AUSTRALIA: Doug Toppin, I Balkissoch Road, Torrens Park. U 3620. WESTERN AUSTRALIA: Geoff Martin & Son, 83 Brisbane Street, Parth. BF (79).

ESTERN AUSTRALIA

PERSONAL and GENERAL

State News

Members desiring publication of personal items of interest are invited to write or telephone details to the Journal Correspondent in W.A., Mr. F. W. Avenell ('phone BA 4082).

Engagement.—Congratulations to pharmacy students Marion Hunter and Richard MacDonnell on their engagement. Marion's mother and Richard's father are also chemists.

Mr. and Mrs. R. Green, of Cottesloe, paid a visit to Melbourne to see their son, Commander D. Green, last

Mr. John O'Hara has returned from his trip to England and the Continent. He was away for about 18 months.

Miss D. Large, of the Pharmacy Department at Sydney University, paid a visit to the Pharmaceutical Council's office on her way back from South Africa.

Mr. Percy Johnson, pharmacist, of Victoria Park, was a member of the W.A. football team which competed in the Australian National Football Carnival at Melbourne early this month, marking the centenary of Australian Rules football. Mr. J. S. Knox-Peden acted as locum.

Golf.—Congratulations to Brian Elliott, pharmacist, who recently made a score which has not been equalled in this State for 20 years. Brian's record equalling 64 included seven birdies.

Mr. Frank Rowe was a passenger to England on the "Orcades" which left Fremantle on July 15. He expects to return about the end of October. Miss T. Murphy is in charge of the pharmacy.

Mr. J. N. Darroch, of South Fremantle, left Fremantle on July 14, to do the round trip to Singapore. Mr. L. I.

McKenzie is acting as reliever.

Obituary.—It is with deep regret that we record the death of Don Kinleyside, pharmacist, of Cannington, at the age of 31 years. Although he had been in ill-health for some time, his many friends were shocked to hear of his fatal collapse on July 16. A private service was held at Karrakatta Crematorium on July 18. We extend

our sympathy to his parents and sister.

In the Perth Police Court on July 2, Nurse D. J. Longson, of Wembley, was fined £10 for having had possession of drugs reasonably suspected of having been sto-

len.

Relievers from Victoria.—The influx of six young pharmacists from Victoria during the past couple of pharmacists from Victoria during the past couple of months has caused a temporary surplus of relievers. They are Misses P. W. McKay, J. A. Scott, J. J. Broome, Messrs. B. A. Gerrand, J. A. Mitchell and B. A. Moore. Mr. M. J. Nyman, whose brother is a doctor at Kellerberrin, also arrived from England recently.

Messrs. E. E. Johns, of Inglewood, and B. Smyth. of Medina, had holidays during the month. Misses J. Scott and M. Whittle acted as Learner.

and M. Whittle acted as locums.

CHEMIST FINED FOR ILLEGAL SALE OF DRUG

Norman Saxon Lee (58), chemist, of Burt street, Boulder, was fined £5 in the Kalgoorlie Police Court on June 26 for the illegal sale of an abortion-inducing drug June 26 for the filegal sale of all about the which caused the death of a woman last February

"This is an unfortunate case of a mistake," Magistrate M. Harwood said. "It would not have been discovered had not the woman paid the penalty."

Lee pleaded guilty but did not appear in court.

The dead woman, Mrs. Ellen Maude Watts (36), of Davis street, Boulder, was the mother of four children.

B. T. O'Dea, who prosecuted for the Pharmaceutical Society of W.A., said that Mrs. Watts was admitted to the Kalgoorlie District Hospital on February 8 following a miscarriage. She told her doctor she had taken 18 tablets to induce an abortion. A search of her home revealed a bottle of tablets with Lee's name on the

Lee later told a constable that he had no record of the sale, and the drug could be bought over the counter at any chemist shop.

Bryan Carson, counsel for Lee, said the tablets had been sold to another person several months before Mrs. Watts arrived on the Goldfields.

They had been sold as a result of an unfortunate mistake

The tablets had been listed under a schedule which permitted a sale so long as the chemist kept a record of the sale.

In 1949 they had been added to another schedule, under which they could be sold only on medical prescription. They had not been removed from the first schedule, and Lee had sold them under the wrong schedule.

He asked for a caution, because his client had been a practising chemist for 30 years.

Mr. Harwood: "Chemists are notified of schedule changes by the Pharmaceutical Society."

Mr. Carson: "Yes, but the notification could have been very similar to the one which preceded it, and Lee might not therefore have read it."

Mr. Harwood: "Chemists have to exercise particular That is why the Act is so stringent.' care.

THE GUILD

S.B.C. Meeting

The State Branch Committee of the Western Australian Branch of the Guild met at Guild House, 61 Adelaide Terrace, Perth, on July 8, at 7.30 p.m.

Present.—Mr. G. D. Allan (chair), Messrs. R. W. Dalby, W. G. Lewis, R. D. Edinger, D. G. White, R. I. Cohen, S. J. Wilson, J. G. Skeahan, A. W. Rock, G. H. Dallimore, J. V. Hands, M. H. Arnold and G. Copeland.

The Chairman welcomed Mr. George Copeland, chemist, of Tasmania, and Honorory Federal Merchandising Supervisor of the Guild, and introduced him to members of the State Branch Committee. Mr. Copeland thanked the President for his welcome and congratulated the State Branch on having such an excellent board room and offices.

Ipana in Hospital Canteen.-The Secretary reported that information had been received that the local ware-houses had denied having supplied any Ipana Tooth Paste to the Busselton Hospital. The agent promised to make enquiries, and assured the Guild that hospital canteens were not permitted to stock this line.

Chemists' Resignation from the P.A.T.A.-Letters had been sent to the three chemists, asking them to reconsider their decision. Only one reply had been received.

New Member Elected .-- Mr. W. J. Bouttell, Nedlands. With reference to the death of a member and his business being carried on for the time being by his

WESTERN AUSTRALIA—Continued

widow, Federal Office advised that it would be in order to receive the membership as the "estate of" until the widow disposes of the business. By doing this it would obviate the necessity of recording the names of any managers she might appoint.

Federal Delegate's Report.-Mr. Dallimore reported that Federal Office had been written to asking that the matter of the deletion of the sterilisation fee and including it as part of the average dispensing fee under Pharmaceutical Pensioner Benefits be discussed with Canberra. It was pointed out that the Guild considered sterilisation as a separate fee.

The Federal President, Mr. E. Scott, and the Public Relations Director, Mr. K. Attiwill, are at present paying an official visit to Queensland.

Pricing Officer's Report .-- Mr. Lewis presented to the meeting a new schedule for dispensing fees which was agreed to by the State Branch Committee

It was recommended that this schedule, together with container charges, be circulated to members. It was also recommended that price alterations, formerly printed in the News Bulletin, be published in future on a separate sheet.

It was also recommended that the over-the-counter price for Benedict Solution, 8 oz., be 4/9.

The policy of charging manufacturers for the price alterations in the retail price list was discussed, and it was left to the Secretary and Treasurer to decide when such accounts should be rendered.

Trade and Commerce Report.—Mr. Arnold, Chairman of the Trade and Commerce Committee, presented the agenda for the Federal Trade and Commerce meeting, to be held in August. All items were discussed and directions given to Mr. Arnold.

The request that the Trade and Commerce notes be sent to a manufacturer's agent was refused, but an extract could be supplied on request.

Guild Advertising Project.—The minutes of the Guild Advertising and Merchandising Committee meeting with the A. J. Williams Advertising Agency were read and a full explanation was given of the progress to date.

Statements carrying the half per cent. surcharge had Statements carrying the nail per cent. surcharge had been sent out by the wholesalers, and arrangements had been made to have the first advertisement published in the "West Australian" newspaper in August. Further full-page advertisements would appear throughout the

Returning Officer.—Mr. R. I. Cohen was appointed Returning Officer for the State Branch Committee elections.

Tax Cards.-A member reported that it had come to his notice that a photographer was using Guild Tax Cards for sales of photographic goods. It was recom-mended that proof of this be obtained before any action was taken.

It was also recommended that chemists be advised once again as to what goods could be entered on the tax cards, and that they also be informed that an official stamp must be used.

Hospital Benefit Agencies.—The question of some chemists not being able to obtain an agency for the sale of Hospital Benefit Stamps was discussed, and it was resolved that the Hospital Benefit Fund be advised that it was the policy of this Branch of the Guild that the sale of the s all Guild members should be made full agents and that the Hospital Benefit Fund be advised accordingly.

The meeting closed at 10.30 p.m.

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TASMANIA

PERSONAL and GENERAL

State News

Members desiring publication of personal items of interest are invited to write or telephone details to the Journal Correspondent in Tasmania, Miss M. L. Williams, 276 Argyle St., North Hobart ('phone B 1010).

Congratulations to Mr. Kevin Corby on opening his bright new pharmacy in Hobart. We wish him every success on his new venture.

Our best wishes to **Henry Francis** in opening their pharmacy in Hobart, and to Mr. Waring, of Melbourne, who is managing the business, we express our welcome to Hobart.

We welcome also Miss Christine Meyer, of N.S.W., who is at present working in Tasmania.

We wish Mrs. E. Ross a very pleasant trip to Canada, where she will attend the wedding of her son at Toronto. She expects to be away for about four months.

Another of our number who is touring overseas is **Mr. Michael Townley**, who is visiting the United States of America. We understand that Mike has arrived in San Francisco.

Football.—A highlight for the young in heart was a grand football match between the pharmacy students and master pharmacists, "etc." The event took place at New Norfolk and was won by the master pharmacists, "etc."

Red Cross.—About thirty pharmacy students joined the Australia-wide effort and gave generously of their blood to the Red Cross Blood Bank. The only disappointment was that notwithstanding the experience they all felt extremely well the next day; at least that is how it was reported to me.

PHARMACY BOARD

Monthly Meeting

The Pharmacy Board of Tasmania met at 85 Elizabeth street, Hobart, on June 11, at 8 p.m.

Present.—Mr. F. H. Cartledge (Chairman), Messrs. A. G. Gould, I. B. McLeod, A. K. Smith, E. N. Lee, T. A. Stephens, and the Registrar.

Pharmaceutical Register.—Rex Frederick Walker (ex N.S.W) was registered, subject to presentation of statutory declaration and diploma.

David John Stynes: The Diploma of Mr. D. J. Stynes as received from the Pharmacy Board of Victoria was tabled.

Apprentices.—Miss Chue Ying Chan with F. H. Cartledge. A recommendation from Dr. J. C. Burgin, Head of the Department of Pharmacy, that Miss Chan be required to do the full four year course with a four year term of apprenticeship under the existing syllabus was received and carried. Registration of indentures was approved accordingly.

Henry Francis and Company.—Advice was received from Henry Francis and Company, of 107 Collins street, Melbourne, a partnership consisting of registered pharmaceutical chemists, of the intention of opening a pharmacy in Hobart. The Registrar was directed to write to the Board's Solicitor regarding this matter.

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Pharmacy Regulation Amendments.—Mr. A. G. Gould moved, seconded by Mr. E. N. Lee, that Regulation 21 (2) of the Pharmacy Regulations, 1949, be amended to read as follows—

"21 (2) A candidate for Intermediate Examinations shall obtain not less than 50% of the total marks awarded in any of the subjects in order to secure a pass in the subject."

The motion was carried.

Syllabus.—The President extended a welcome to Dr. J. C. Burgin, Head of the Department of Pharmacy at the Hobart Technical College, on his arrival at the meeting at 9 p.m.

The President advised that the subject of Organic Chemistry II University, as contained in the second year syllabus for 1959, could not be taught in Launceston.

This would mean that all Northern students who studied under the syllabus for 1959 would have to transfer to Hobart to continue second year studies.

Dr. Burgin confirmed this, stating that there was insufficient space and equipment at Launceston. He further stated that tuition in the subjects Materia Medica and Pharmacy I had been suspended due to an insufficient number of students.

Dr. Burgin stated that in his opinion there were two solutions regarding Northern tuition, these being either the introduction of a part-time course or the introduction of a full-time course of 2 years.

After fully discussing the position with Dr. Burgin, the Board resolved that the syllabus for 1959 remain as it stands in its present form.

Dr. Burgin then left the meeting (at 10 p.m.).

The Registrar was directed to write to the Secretary of the Pharmaceutical Society of Tasmania on this matter, suggesting that the Society might ask that further facilities by way of equipment and personnel be granted for the teaching of Pharmacy I, Materia Medica and Chemistry I for Northern students.

Kerosene, Mineral Turpentine and Shellite Labels.— Sample labels were received from the Shell Co. of Aust. Ltd. for approval.

The Registrar was directed to advise that such substances did not come under the jurisdiction of the Board, but it was suggested that the name of the product should be in large print together with the words, "caution: not to be taken."

Repacking Semi-Poisonous Liquids in Food Containers.—A letter from Hunters' Products Pty. Ltd., regarding the repacking of goods such as pure turpentine, shellite, mineral turpentine, methylated spirits, phenyle, etc., in all types of food containers by competitors was read.

The Registrar was directed to advise that arrangements are being made for the Board's Inspector to inspect the lines of methylated spirits and phenyle on the market, these products being under the jurisdiction of the Board.

The meeting resolved that copies of the above corespondence be forwarded to the Director of Public Health.

Organic Chemistry Examinations.—A ruling was received from the Superintendent of Technical Education that a student must pass in the theory and practical sections of the Organic Chemistry II examinations at the one sitting in order to gain a pass, the annual examination and the supplementary examination for this purpose being counted as one. A student must gain 35% or more in the section or sections failed in and must be recommended in order to gain a supplementary examination.

Mid-Year Student Report.—A report from Dr. J. C. Burgin regarding the progress of students for the first

TASMANIA—Continued

five months of 1958 stated that all students coming to the Department of Pharmacy had behaved satisfactorily and that attendances were good.

The meeting closed at 11.10 p.m.

JULY MEETING OF THE PHARMACY BOARD

The Pharmacy Board of Tasmania met at 85 Elizabeth

street, Hobart, on July 9, at 8 p.m.

Present.—Miss M. L. Williams, Messrs. A. G. Gould,
T. A. Stephens, A. K. Smith, I. B. McLeod, and the Registrar.

In the absence of the President, Mr. A. G. Gould

was elected to the Chair.

Pharmaceutical Register.—Rex Frederick Walker: Statutory declaration was received from Mr. Walker,

whose Diploma is to be received at a later date.

Christine Barbara Meyer (ex N.S.W.), John Kingsley
Waring (ex Victoria), Norman Cyril Cossar (ex Victoria) and Leo Morton Heydon (ex Victoria) were registered.

Apprentices.-Keith Stanton Brown: Registration of satisfactory completion of apprenticeship was recorded. John Cornelius Wilson: Approval was granted for

cancellation of Indentures, Mr. Wilson having transferred to Victoria.

Financial.—Accounts totalling £75/17/2 were passed

for payment.

Registrar's Fees.—Mr. A. K. Smith moved, seconded by Miss M. L. Williams, that the Registrar's fees be increased to one pound (£1) per hour.—Carried.

Pharmacy Act.—D. C. Gurr Partnership: The Registrar advised that the Magistrate (Mr. Turner) hearing the case had reserved his decision. The Registrar

the case had reserved his decision. The Registrar further stated that there was no definite date for the Magistrate to give his decision.

Henry Francis & Company: Advice was received from the Board's Solicitor that each of the partners of Henry Francis & Company would have to register individually in Tasmania as pharmaceutical chemists. The Registrar advised that a partnership had been registered in the name of "Henry Francis" by Mr. N. C. Cossar and Mr. L. M. Heydon. Both partners had registered in Tas-

mania as pharmaceutical chemists.

Patented Goods: The Registrar stated that he had Patented Goods: The Registrar stated that he had received a 'phone call from the Secretary to the Minister for Health requesting that the Registrar and one or perhaps two members of the Board be present at an interview with the Minister (Mr. White) on July 14 to discuss the restriction on sale of patented goods, etc. The Meeting resolved that Mr. F. H. Cartledge, Mr. A. G. Gould and the Registrar represent the Board at A. G. Gould and the Registrar represent the Board at

the interview. Pharmacy Regulation Amendments.-The Meeting re-Pharmacy Regulation Amendments.—The Meeting resolved that the wording of the proposed amendment to the Pharmacy Regulations for the exhibiting of the Annual Certificate, per minute of April 9, 1958, be rescinded, and that the following be approved:

Exhibiting of Annual Certificate: 28. The Annual Registration Certificate as issued under Section 23 of the Periodical Act of the Person who may for the

of the Principal Act, of the person who may for the time being be in charge of each and every Pharmacy or Dispensary shall be exhibited in such place as may be easily seen by any person entering that Pharmacy or Dispensary.

Poisons Act.—Poisons Bill: A letter was received from the Director of Public Health stating that the suggested amendment to the Poisons Act submitted by the Board had been discussed with the Parliamentary Draftsman, and that the wording was felt to be unsuitable. It was further stated that the Director of Public Health would evolve some wording and forward it to the

Board as soon as possible.

Tablets on Rubbish Heap: The Registrar explained that a complaint had been received by a member of the Board that tablets contained in tin foil were lying

on a rubbish dump near South Arm; and that the Board's Inspector had been instructed to investigate The tablets and several bottles as found the position. The tablets and several bottles as found and collected by the Inspector were presented at the Meeting.—The members of the Board were of the opinion that such articles had been dumped by a private

Methylated Spirits and Phenyle Containers: The Inspector's report on an inspection of hardware stores, chain stores and grocery stores in the Hobart City area regarding Methylated Spirits and Phenyle in food

containers, was read.

The Registrar was directed to write to each of the offending retailers, and as well to the wholesale firm, Reliance Trading Company, and point out the provisions of the Poisons Act 1916 regarding the packing of Methylated Spirits.

Reciprocity.-A letter was received from the Pharmaceutical Society of Great Britain stating that their Society has agreements for the reciprocal recognition of qualifications with the Pharmacy Boards of each of the States of Australia, the South African Pharmacy Board, the Pharmacy Board of New Zealand and the

Ontario College of Pharmacy.

It was further stated that the agreement with the Ontario College of Pharmacy had been under discussion, and it is possible that it will terminate on December

31, 1958.

The meeting closed at 9.10 p.m.

PHARMACEUTICAL SOCIETY

Council Meeting

The Council of the Pharmaceutical Society of Tasmania met at 85 Elizabeth street, Hobart, on July 14, at 6.15 p.m.

Present.—Mr. L. J. McLeod (Chairman), Messrs. A. Brammall, B. J. Shirrefs, C. A. Robertson, W. G. Webb, and the Secretary.

Conferences.—Advice was received from Mr. Kent that the next P.A.A. Conference will be held in Adelaide, followed by one in Perth, and if the usual sequence is followed it will be in Tasmania about 1963 or 1964.-Members therefore decided that no immediate action should be taken in regard to funds for this conference.

General Meetings.-The Secretary reported that as the Prescription Proprietaries Card Service would be discontinued at the end of this year, Mr. Jenkins had suggested that his talk shold be postponed until the next General Meeting.

The Meeting decided to ask Dr. Burgin if he would prepare a lecture on the new British Pharmacopoeia.

Bulletins.-In response to our request "Digests" were received from the New South Wales Society, but were considered to be unsuitable for our purpose, and the Secretary was instructed to ask if lectures referred to therein were available for distribution.

Mr. Kent advised that copies of the A.P.F. Bulletins could be made available, and suggested that we endeavour to have these distributed to doctors as well as members. After discussing this point, the Meeting considered that these Bulletins were mainly for distribution to medical men and would not be suitable for distribution to our members as had been thought likely.

The Secretary was instructed to ask Mr. Kent if there were other publications from the Victorian Society prepared more specifically for pharmacists.

New Member Elected.—Rudra Datt Sharma, of Al-

lunga road, Chigwell.

Spirit for Chemists.—A letter was received from the

Customs Department proposing to reduce the monthly allowance of two gallons of spirit to one gallon. Members considered there was no objection to this,

provided those who required a larger quantity would not be restricted.

TASMANIA—Continued

Teaching Facilities in Launceston.-A letter was received from the Pharmacy Board of Tasmania asking the Society to inquire if adequate teaching facilities for the first year of our new syllabus could be provided at Launceston.

After considering the number of students requiring these facilities, the Meeting decided that an approach to the Education Department could not be substantiated. However, it was decided that it was now an appropriate time to take the first steps towards establishing facilities for a full time course, and the Meeting decided that the President and Mr. Shield should confer with the Pharmacy Department of the Technical College to com-pile a case to present to the Director of Education for the establishment of a full time course for Pharmacy

H. H. Pearce Prize.-A request was received from Mr. H. H. Pearce that the prize which he is awarding each year be titled "The Arthur Charles Malcolm Wherrett Memorial Prize" instead of being awarded under Mr. Pearce's own name.—The Meeting agreed to comply with Mr. Pearce's request.

Resignation.—A letter was received from Mr. A. P. Brammall stating that as he would be leaving Tasmania to reside in Queensland he tendered his resignation as a member of the Council of the Society.

The Meeting accepted this resignation with regret. The Chairman expressed appreciation and thanks to Mr. Brammall for the many years of faithful service he had given to pharmacists in Tasmania as a member of the Council of this Society.

The meeting closed at 7.15 p.m.

THE GUILD

S.B.C. Meetina

The State Branch Committee of the Tasmanian Branch of the Guild met at 73 Liverpool street, Hobart, on June 23, at 8 p.m.

Present.—Mr. G. M. Fleming (Chairman), Messrs. E. H. Shield, K. H. Jenkins, A. G. Crane, A. Fennell, C. A. Robertson, A. G. Gould, D. R. Crisp, L. W. Palfreyman, G. S. Copeland, and Secretary.

Opening Hours.-Mr. Copeland reported that the mat-

Defining Hours.—Mr. Copeland reported that the matter of hours of opening was discussed at a meeting in Burnie, but no finality was reached.

Haminex Photographic Goods.—Mr. Fleming reported on steps taken to rectify the distribution of these lines through non-photographic stores. This matter has been concluded satisfactorily by the Federal Merchandising

Northern Division Meeting.—Minutes of the meeting of the Northern Division held on June 3, were received. Financial.—Accounts totalling £188/14/6 were passed for payment.

Federal Council Meeting.—Advice was received that the next Federal Council meeting will be held on October 27

Our remit regarding the Pricing Service was further discussed on the basis that we require the price lists handled from the Federal Office with wholesale and retail prices only.

It was further decided that the notes prepared by our sub-committee in support of the remit should be for-warded to each Federal Council member.

Federal Trade and Commerce Conference.—Advice was received that this conference would be held in Melbourne on August 4 and 5.

The meeting decided that our Northern representative, Mr. J. B. Warland Browne, should attend this meeting.

Extra Medicine Schedule.—Dealing with the proposal for an extra medicine schedule to the medical benefits as prepared by the South Australian Branch, it was considered that the statistical information requested would not be available in Tasmania. The meeting suggested that such information should be collated by the Statistical Bureau in Sydney.

Pricing Officers' Meeting .- Mr. Fennell reported on matters dealt with at this meeting, at which it was decided to simplfy the dispensing schedule by having only two prices, one for compound mixtures and the other for mortar and other mixtures, and also by reducing the number of different prices under each column.

Fennell referred to the late submission of Repatriation scripts for payment and the proposal for a

charge of 5% extra on pricing these scripts.

He also referred briefly to a number of other items discussed at the meeting.

Members considered that Tasmania should await the introduction of the new dispensing schedule by Victoria and then work in with their prices for Tasmania.

Publicity and Merchandising Plan.—The Chairman reported that to date there had been 65 replies to the circular regarding the introduction of this plan; which left only 27 to come.

Arrangements were made for a further letter to be

sent to those who had not replied.

The meeting decided that the Committee to operate this scheme would comprise the State President, two Federal Delegates, and the three members of the Trade and Commerce Sub-committee.

Chemist Only Lines.—Mr. Robertson reported on the Schedule of Chemist Only Lines received from the Federal Merchandising Department, and stated that several items require adjustment. He suggested that the limited radius for restricting such sales should be noted with each item.

The meeting decided that members should give consideration to this list and discuss the matter again at the next meeting

Price Ticket Sets .- Mr. Copeland stated that consideration was being given to the preparation of sets of price tickets for distribution to members.

He suggested that members should set out all the points that they would like incorporated in such a set to advise our representative for the next Trade and Commerce meeting, where the matter would be finalised. The meeting closed at 10.15 p.m.

TRANQUILLISER TAILPIECE

A doctor has told a meeting of the U.S. Southern Medical Association that monkeys do not suffer strokes or brain tumours because they are able to ease their brain tensions by "wiggling" their tails.—"The Pharmaceutical Journal," May 24, 1958.

ASPIRIN IN TREATMENT OF DIABETES

re-investigation of the effect of aspirin in diabetes mellitus was undertaken by J. Read and his colleagues at the Western Infirmary, Glasgow, (Brit. Med. F., 1957, 2, 1091). Observations were made on seven diabetic patients, who received a low carbohydrate diet throughout the investigation, and for two weeks before it was started. Aspirin, in doses of 1 to 1.6 gm. every four hours, omitting one dose during the night, from 10 to 14 days. During this period, blood sugar was reduced to normal or near normal in all patients; in two patients glycosuria was reduced during the control period, and in four it diminished progressively during aspirin administration; moderate ketonuria in two patients was reduced to normal. Clinical symptoms of diabetics were completely relieved, although two patients experienced intermittent vomiting which disappeared when the serum salicylate level was reduced. Tinnitus and deafness also occurred as sideeffects of aspirin treatment.

Aspirin for the treatment of diabetes mellitus has already been considered and rejected because of serious toxic effects. These occur with blood salicylate concentrations higher than those required to control hypoglycaemia, and the minor toxic effects might become less troublesome with continual treatment. The authors suggest that, if there is a genuine need for an oral compound to control diabetes mellitus, aspirin has an obvious advantage over the sulphonlylureas, as it does not involve the risk of agranulocytosis.—"The Pharmaceutical Journal."

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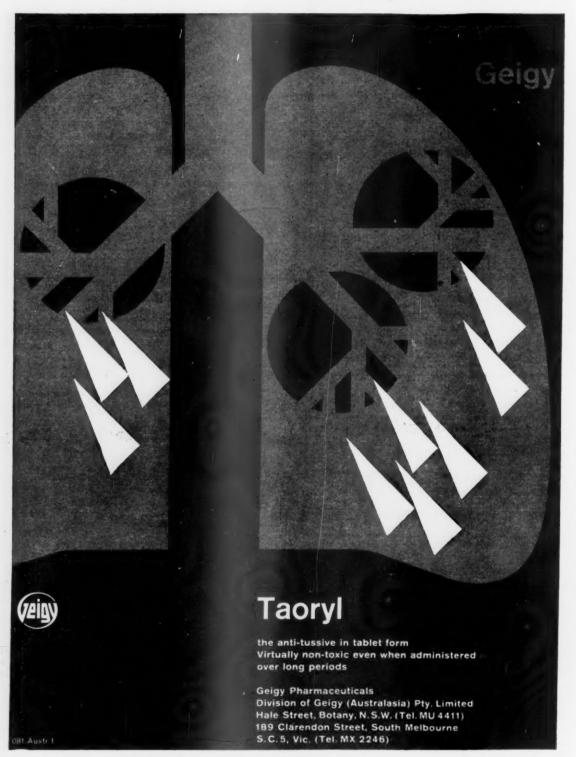
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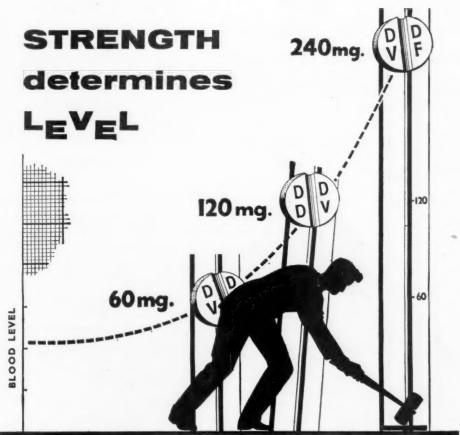
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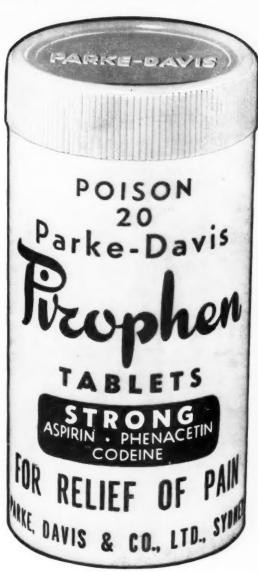
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